

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-14 12/11/06	DRW-14 09/24/07	DRW-14 04/18/08	DRW-14 08/27/08	DRW-14 03/19/09	DRW-14 03/19/09	DRW-15 01/12/07	DRW-15 03/19/09	DRW-16 03/03/04
<b>Explosives</b>												
1,3,6-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5 [<0.5]	--	--	--	--	--	<0.5
<b>Metals</b>												
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	125
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	113	128 [92]	43 [48]	--	--	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	--	35	64 [46]	32 [<10]	--	--	--	--	46
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	--	<10	8 [8]	7 [7]	--	--	--	--	<100
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	--	<2.5	<2 [<2]	<2 [<2]	--	--	--	--	5
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	1,780
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<2	<1 [<1]	<2 [<2]	--	<1	--	--	5
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	4,990	4,730	6,310 [4,480]	2,720 [2,580]	11,800 [9,030]	131	184	5,890	
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	--	2,400 [2,360]	--	<12.5	386	
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<2 [<2]	<2 [<2]	--	--	--	<20	
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	26	23	29 [16]	10 [13]	--	<5	--	30	
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	10,800	
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<10	<5 [<5]	<5 [<5]	--	<5	--	<10	
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	
Magnesium	7439-95-4	--	ug/L	--	--	--	--	--	--	--	--	
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	120
Mercury	7439-97-6	2 {NMED_GW}	ug/L	--	<0.2	<0.2 [<0.2]	<0.2 [<0.2]	--	--	--	--	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	64
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	--	106	69 [51]	84 [89]	--	--	--	--	468
Potassium	7440-09-7	--	ug/L	--	--	--	--	--	--	--	--	
Selenium	7782-49-2	50 {NMED_GW}	ug/L	--	111	154 [150]	136 [144]	--	--	--	--	121
Silver	7440-22-4	50 {NMED_GW}	ug/L	<2	<5	<5 [<5]	<5 [<5]	--	<2	--	<12.5	
Sodium	7440-23-5	--	ug/L	4,620,000	--	--	--	--	2,810,000	--	--	
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	10,400
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	<50	<20 [<20]	<50 [<50]	--	--	--	--	
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	<25	<25 [<25]	<100 [<100]	--	--	--	--	<25
Total Cyanide	57-12-5T	--	ug/L	--	<10	--	--	--	--	--	--	
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	--	38	91 [69]	31 [28]	--	--	--	--	105
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<5	<10	<7 [<7]	<5 [<5]	--	<5	--	<25	
<b>Metals-Dissolved</b>												
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	<50
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	<10
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	<100
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	3
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	1,660
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	3	--	--	--	--	<1	--	<25	
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	--	--	470,000
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	2,040	--	--	--	2,040 [2,050]	<5	<1	247	
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	<25	
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	<12.5	--	--	--	--	<12.5	--	<12.5	
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	<50
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	<5	--	--	--	--	<5	--	<10	

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Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	640
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	--	613,000
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	109
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	<50
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	452
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	--	--	--	--	95,700
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	--	--	--	--	--	--	118
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<2	--	--	--	--	<2	--	<13
Sodium, Dissolved	7440-23-5D	--	ug/L	4,030,000	--	--	--	--	2,840,000	--	2,110,000
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	9,600
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	<25
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	<25
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	<5	--	--	--	--	<5	--	<25
<b>Other</b>											
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	101	--	--	--	--	116	--	--
Alkalinity	ALKN	--	ug/L	226,000	232,000	226,000 [230,000]	222,000 [228,000]	--	214,000	--	176,000
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	226,000	232,000	226,000 [230,000]	222,000 [228,000]	--	214,000	--	176,000
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000 [<1,000]	<1,000 [<1,000]	--	<1,000	--	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	<1,000	--	--	--	--	<1,000	--	<1,000
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	3,590	3,570	--	--	--	<1,000	--	1,200
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	4,650,000	4,180,000	4,000,000 [3,990,000]	6,750,000 [5,770,000]	--	1,410,000	--	2,420,000
Conductivity	Cond	--	mS/cm	21.22	21.2	20.6 [20.7]	21.7 [21.7]	--	13.28	--	15.94
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	-5.05	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	-45.21	--	--
Dissolved Oxygen	DO	--	ug/L	3,990	3,430	4,160 [4,160]	5,050 [5,050]	--	1,000	--	7,200
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	<20,000	--	--	--	--	<20,000	--	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	2,410	1,960	1,940 [2,030]	28,400 [33,300]	--	1,990	--	<200
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000 [<1,000]	<1,000 [<1,000]	--	<1,000	--	<1,000
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	110,000	--	--	--	--	38,700	--	68,400
Nitrate + Nitrite	14797-55-8b	--	ug/L	127,000	66,700	57,900 [70,300]	216,000 [172,000]	--	--	--	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<1,000	--	--	--	--	<1,000	--	<100
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	31.8	81.1	-169 [-169]	5.3 [5.3]	--	25.2	--	--
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	<50	--	--	--	--	<50	--	75
Salinity	SAL	--	%	--	--	--	--	--	--	--	9.3
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	--	49,100
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	--	44,800
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	9,630,000	7,770,000	7,660,000 [7,670,000]	12,300,000 [11,000,000]	--	6,520,000	--	6,660,000
Temperature	TEMP	--	deg c	17.44	21.34	18.86	20.95	--	20.16	--	19.5
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	--	--	--	--	<4,000
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	18,700,000	17,600,000	18,700,000 [19,000,000]	19,500,000 [19,700,000]	--	12,900,000	--	13,600,000
Total Organic Carbon	TOC	--	ug/L	2,130	2,620	2,110 [2,270]	--	--	<1,000	--	2,810
Turbidity	TURB	--	NTU	118	738	218 [218]	26 [26]	--	4.74	--	--
<b>Pesticides/Herbicides</b>											
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxy)acetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
2,4-DB (2,4-Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--

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Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--	--	--
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Camphchlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--	--	--
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--
Dichlorprop	120-36-5	--	ug/L	--	--	--	--	--	--	--	--
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--	--	--
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--	--	--
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--	--	--
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--	--	--
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--	--	--
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--	--	--
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>											
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5 [<5]	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<5	<1 [<1]	<1	<1	<5,000
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<5	<1 [<1]	<1	<1	<5,000
1-Chloronaphthalene	90-13-1	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
1-Naphthylamine	134-32-7	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	<10 [<10]	<10 [<10]	--	<10	--	<5,000
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<20,000
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2,6-Dichlorophenol	87-65-0	--	ug/L	<10	<10	<10 [<10]	<10 [<10]	--	<10	--	<5,000
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<5	--	--
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Methyl Pyridine	109-06-8	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
2-Nitrophenol	88-75-5	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
3,5,Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	<5,000
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-14 12/11/06	DRW-14 09/24/07	DRW-14 04/18/08	DRW-14 08/27/08	DRW-14 03/19/09	DRW-15 01/12/07	DRW-15 03/19/09	DRW-16 03/03/04
4-Chloro-3-Methylphenol	59-50-7	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
4-Chlorophenyl Phenyl Ether	7005-72-3	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
4-Dimethylaminoazobenzene	60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
4-Methyl Phenol (p-cresol)	106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	<5,000
4-Nitrophenol	100-02-7	--	ug/L	<25	<25	<25 [<25]	<25 [<25]	--	<25	--	<5,000
7,12-Dimethylbenz(a)Anthracene	57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
a,a-Dimethylphenethylamine	122-09-8	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Acenaphthene	83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Acenaphthylene	208-96-8	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Acetophenone	98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Aniline	62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Anthracene	120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzidine	92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	<25 [<25]	<25 [<25]	--	<25	--	<15,000
Benzo(a)Anthracene	56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzo(a)Pyrene	50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzo(b)Fluoranthene	205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzo(g,h,i)Perylene	191-24-2	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzo(k)Fluoranthene	207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzoic Acid	65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<20,000
Benzyl Alcohol	100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Bis (2-Chloroethoxy) Methane	111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)	108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Bis(2-Chloroisopropyl)Ether	39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	6 {EPA_MCL_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<10,000
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	<10 [<10]	<10 [<10]	--	<10	--	<5,000
Dibenz(a,h)Anthracene	53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Dibenz(a,j)Acridine	224-42-0	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Dibenzofuran	132-64-9	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Diethyl Phthalate	84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Dimethyl Phthalate	131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Di-n-Butyl Phthalate	84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Di-n-Octyl Phthalate	117-84-0	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Diphenylamine	122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Diphenylhydrazine	38622-18-3	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Ethyl Methanesulfonate	62-50-0	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Fluoranthene	206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Fluorene	86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Hexachloro-1,3-Butadiene	87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5 [<5]	<5	<5	<5
Hexachlorobenzene	118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Hexachlorocyclopentadiene	77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Hexachloroethane	67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Indeno(1,2,3-cd)Pyrene	193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
m,p-Cresol	1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	--
m-Dichlorobenzene	541-73-1	--	ug/L	<1	<1	<1	<1	<1 [<1]	<1	<1	<5,000
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Methyl Methanesulfonate	66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Naphthalene	91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5 [<5]	<5	<5	<5
Nitrobenzene	98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5	<0.5	<0.5	<5 [<5]	--	<5	--	<5,000
N-Nitrosodi-N-Butylamine	924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
N-Nitrosodi-N-Propylamine	621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
N-Nitrosopiperidine	100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
p-Chloroaniline	106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Pentachlorobenzene	608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Pentachloronitrobenzene	82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Pentachlorophenol	87-86-5	1 {EPA_MCL_GW}	ug/L	<10	<10	<10 [<10]	<10 [<10]	--	<10	--	<5,000
Phenacetin	62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	<5	<5</						

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-14 12/11/06	DRW-14 09/24/07	DRW-14 04/18/08	DRW-14 08/27/08	DRW-14 03/19/09	DRW-15 01/12/07	DRW-15 03/19/09	DRW-16 03/03/04
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	--	<5	--	<5,000
<b>Total Petroleum Hydrocarbons</b>											
Diesel Range Organics	DRO	--	ug/L	<5,000	<5,000	<5,000 [<5,000]	<5,000 [<5,000]	--	<5,000	--	<50,000
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100 [<100]	<100 [<100]	--	<100	--	<100
<b>Volatile Organic Compounds</b>											
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	0.29 J [0.33 J]	<1	<1	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	8.25	11.8	8.94 [8.11]	11.4 [13.3]	11.4 [11.7]	<1	<1	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	<5	--	--	--	--	<5	--	--
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	--	<1 [<1]	--	<1
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10 [<10]	<10 [<10]	<10 [<10]	<10	<10	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	0.38 J [0.36 J]	<1	<1	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [0.62 J]	<1	<1	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	1.66	1.8	1.7 [1.67]	1.75 [2.14]	2 [2.03]	<1	<1	<1
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Cymene	99-87-6	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Iodomethane	74-88-4	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-14 12/11/06	DRW-14 09/24/07	DRW-14 04/18/08	DRW-14 08/27/08	DRW-14 03/19/09	DRW-15 01/12/07	DRW-15 03/19/09	DRW-16 03/03/04
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5	<5	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	--	<1	--	<1
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	<5	--	--	--	--	<5	--	--
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	5.82 [<1]	0.48 J [0.85 J]	<1	0.35 J	<1
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10 [<10]	<10 [<10]	<10 [<10]	<10	<10	<10
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	131	144	144 [143]	171 [169]	154 [152]	12.7	15.8	68.3
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 08/10/04	DRW-16 05/05/05	DRW-16 08/17/05	DRW-16 02/28/06	DRW-16 09/12/06	DRW-16 01/12/07
<b>Explosives</b>									
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	0.525 [<0.5]	--
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	--	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5 [<0.5]	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5 [<0.5]	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	--	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	--
<b>Metals</b>									
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	<100	<30 [<30]	<30 [180]	<30 [<30]	<30 [<30]	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<5	151 [292]	<5 [<5]	<5 [<5]	104 [122]	--
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	12	<10 [<10]	<10 [<10]	<10 [<10]	<10 [<10]	--
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5	3 [3]	<2.5 [<2.5]	<2.5 [<2.5]	<2.5 [<2.5]	--
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	1,960	2,070 [2,070]	1,640 [2,160]	1,440 [1,330]	1,480 [1,370]	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Calcium Metal	7440-70-2	--	ug/L	--	--	538,000 [539,000]	553,000 [531,000]	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	1,440	5,600 [12,200]	7,720 [6,010]	3,930 [4,320]	4,860 [4,600]	4,250
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	370	94 [88]	528 [536]	--	--	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	8	<20 [<20]	<5 [<5]	<5 [<5]	13 [12]	--
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	92	210 [183]	162 [270]	96 [64]	54 [51]	13
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	3,290	13,800 [29,100]	15,800 [11,400]	9,330 [9,880]	14,000 [12,900]	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	<10	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	541 [539]	192 [181]	--
Magnesium	7439-95-4	--	ug/L	--	--	799,000 [804,000]	841,000 [801,000]	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	101	189 [180]	78 [<25]	<5 [<5]	209 [191]	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2 [<0.2]	<0.2 [<0.2]	<0.2 [<0.2]	<0.2 [<0.2]	--
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	<50	60 [57]	77 [<50]	<50 [<50]	68 [65]	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	867	925 [934]	276 [340]	122 [117]	1,020 [946]	--
Potassium	7440-09-7	--	ug/L	--	--	102,000 [103,000]	76,300 [73,600]	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	<10	168 [154]	<10 [<10]	98 [95]	63 [55]	--
Silver	7440-22-4	50 {NMED_GW}	ug/L	<3	<2 [<2]	<2 [<2]	<2 [<2]	<2 [<2]	<2
Sodium	7440-23-5	--	ug/L	--	--	2,210,000 [2,230,000]	2,840,000 [3,000,000]	3,260,000	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	11,700	31,000 [30,700]	22,100 [20,300]	9,780 [9,130]	9,630 [9,040]	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25 [<25]	<25 [100]	<25 [<25]	<25 [<25]	--
Total Cyanide	57-12-5T	--	ug/L	--	--	<10 [<10]	--	--	--
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	29	113 [302]	119 [130]	109 [126]	160 [151]	--
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	18	<5 [<5]	<5 [<5]	<5 [<5]	17 [32]	<5
<b>Metals-Dissolved</b>									
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	<50	<50 [<50]	<30 [<30]	<30 [<30]	<30 [<30]	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	<5	32 [27]	<5 [<5]	<5 [<5]	<5 [<5]	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	11	<10 [<10]	<10 [<10]	<10 [<10]	<10 [<10]	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	<2.5	<2.5 [<2.5]	<2.5 [<2.5]	<2.5 [<2.5]	<2.5 [<2.5]	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	1,970	1,650 [1,590]	1,290 [2,000]	1,360 [1,240]	1,450 [1,410]	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Calcium, Dissolved	7440-70-2D	--	ug/L	528,000	524,000 [547,000]	609,000 [573,000]	504,000 [490,000]	609,000 [532,000]	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	446	69 [67]	365 [514]	629 [626]	18 [24]	610
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	<5	<25 [<25]	<5 [<5]	<5 [<5]	7 [6]	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	15	16 [15]	61 [40]	44 [43]	19 [18]	<12.5
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	<50	<10 [20]	24 [<10]	<10 [<10]	1,250 [972]	--
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	<5	<10 [<10]	<5 [<5]	<5 [<5]	<5 [<5]	<5

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 08/10/04	DRW-16 05/05/05	DRW-16 08/17/05	DRW-16 02/28/06	DRW-16 09/12/06	DRW-16 01/12/07
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	502 [492]	380 [720]	350 [359]	205 [202]	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	811,000	798,000 [838,000]	878,000 [830,000]	778,000 [765,000]	921,000 [798,000]	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	46	155 [152]	<25 [<25]	<5 [<5]	185 [161]	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	<50	<50 [<50]	55 [86]	<50 [<50]	51 [<50]	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	583	720 [704]	170 [130]	93 [92]	900 [807]	--
Potassium, Dissolved	7440-09-7D	--	ug/L	133,000	102,000 [104,000]	115,000 [129,000]	101,000 [106,000]	72,100 [72,100]	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	<10	151 [145]	<10 [<10]	92 [93]	114 [94]	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<3	<13 [<13]	<2 [<2]	<2 [<2]	<2 [<2]	<2
Sodium, Dissolved	7440-23-5D	--	ug/L	2,560,000	2,220,000 [2,100,000]	2,510,000 [2,650,000]	2,020,000 [1,980,000]	2,530,000 [2,560,000]	2,960,000
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	11,700	21,400 [20,900]	10,300 [19,300]	9,700 [9,060]	9,670 [9,480]	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25 [<25]	<25 [<25]	<25 [<25]	<25 [<25]	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	5	<25 [<25]	29 [<5]	11 [11]	5 [<5]	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	10	<25 [<25]	<5 [<5]	<10 [<10]	10 [9]	<5
<b>Other</b>									
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	115
Alkalinity	ALKN	--	ug/L	194,000	188,000 [196,000]	196,000 [198,000]	200,000 [202,000]	162,000 [176,000]	204,000
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	194,000	188,000 [196,000]	196,000 [198,000]	200,000 [202,000]	162,000 [176,000]	204,000
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000 [<1,000]	<1,000 [<1,000]	<1,000 [<1,000]	<1,000 [<1,000]	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	<1,000	<1,000 [<1,000]	<1,000 [<1,000]	<1,000 [<1,000]	<1,000 [<1,000]	<1,000
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	<200	1,170 [1,110]	<200 [<200]	1,270 [1,280]	<200 [<200]	<1,000
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	2,530,000	2,410,000 [2,440,000]	2,480,000 [2,570,000]	2,450,000 [2,480,000]	3,150,000 [3,160,000]	2,630,000
Conductivity	Cond	--	mS/cm	16.09	16.74 [16.74]	16.1 [16.1]	15.8 [15.8]	16.1 [15.9]	16.18
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	4,180	1,990 [1,990]	2,690 [2,690]	2,520	1,320	3,230
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<20,000
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	<200	1,880 [1,890]	1,950 [1,940]	1,950 [1,910]	2,210 [2,250]	2,040
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000 [<1,000]	<1,000 [<1,000]	<1,000 [<1,000]	<1,000 [<1,000]	<1,000
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	74,100	23,400 [70,400]	73,800 [75,900]	74,100 [74,300]	86,600 [86,600]	78,800
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	--	--	--	--	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<100	<100 [<100]	<100 [<100]	<100 [<100]	<200 [<200]	<1,000
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	--	77.5 [77.5]	83.1 [83.1]	20	17.1	15.6
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<10 [<10]	<10 [<10]	--
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	<50	91 [206]	103 [150]	<50 [<50]	119 [113]	88
Salinity	SAL	--	%	9.41	--	--	--	--	--
Silica	7631-86-9	--	ug/L	40,900	52,000 [59,700]	38,200 [47,500]	17,500 [17,700]	45,600 [42,300]	--
Silica, Dissolved	7631-86-9D	--	ug/L	44,900	40,000 [39,100]	31,600 [45,500]	17,000 [17,700]	38,600 [37,000]	--
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	6,500,000	6,710,000 [6,430,000]	6,270,000 [6,500,000]	6,280,000 [6,300,000]	7,030,000 [7,070,000]	3,430,000
Temperature	TEMP	--	deg c	24.04	22.47 [22.47]	23.66 [23.66]	23.81	20.8	19.55
Total Kjeldahl Nitrogen	TKN	--	ug/L	<4,000	<4,000 [<4,000]	<4,000 [<4,000]	<4,000 [<4,000]	<4,000 [<4,000]	--
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	14,200,000	13,700,000 [13,700,000]	14,400,000 [14,100,000]	14,200,000 [14,600,000]	13,910,000 [13,560,000]	15,500,000
Total Organic Carbon	TOC	--	ug/L	<1,000	--	4,970 [4,680]	1,300 [1,300]	2,900 [2,900]	<1,000
Turbidity	TURB	--	NTU	--	224 [224]	92.8 [92.8]	122	1,670	444
<b>Pesticides/Herbicides</b>									
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 08/10/04	DRW-16 05/05/05	DRW-16 08/17/05	DRW-16 02/28/06	DRW-16 09/12/06	DRW-16 01/12/07
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--
Camphechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--
Dichloroprop	120-36-5	--	ug/L	--	--	--	--	--	--
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>									
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1
1-Chloronaphthalene	90-13-1	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
1-Naphthylamine	134-32-7	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<10 [<10]	<10 [<10]	<10 [<10]	<10
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<20,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5
2,6-Dichlorophenol	87-65-0	--	ug/L	<5,000	<5 [<5]	<10 [<10]	<10 [<10]	<10 [<10]	<10
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Methyl Pyridine	109-06-8	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Nitrophenol	88-75-5	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	<5	--	--	--	--
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5

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**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 08/10/04	DRW-16 05/05/05	DRW-16 08/17/05	DRW-16 02/28/06	DRW-16 09/12/06	DRW-16 01/12/07
4-Chloro-3-Methylphenol	59-50-7	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
4-Chlorophenyl Phenyl Ether	7005-72-3	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
4-Dimethylaminoazobenzene	60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
4-Methyl Phenol (p-cresol)	106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	<5	--	--	--	--
4-Nitrophenol	100-02-7	--	ug/L	<5,000	<25 [<25]	<25 [<25]	<25 [<25]	<25 [<25]	<25
7,12-Dimethylbenz(a)Anthracene	57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
a,a-Dimethylphenethylamine	122-09-8	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Acenaphthene	83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Acenaphthylene	208-96-8	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Acetophenone	98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Aniline	62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Anthracene	120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzidine	92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<15,000	<10 [<10]	<25 [<25]	<25 [<25]	<25 [<25]	<25
Benzo(a)Anthracene	56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzo(a)Pyrene	50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzo(b)Fluoranthene	205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzo(g,h,i)Perylene	191-24-2	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzo(k)Fluoranthene	207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzoc Acid	65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<20,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzyl Alcohol	100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Bis (2-Chloroethoxy) Methane	111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))	108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Bis(2-Chloroisopropyl) Ether	39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	6 {EPA_MCL_GW}	ug/L	<10,000	<10 [<10]	<50 [<50]	<5 [<5]	<5 [<5]	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<10 [<10]	<10 [<10]	<10 [<10]	<10
Dibenz(a,h)Anthracene	53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Dibenz(a,j)Acridine	224-42-0	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Dibenofuran	132-64-9	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Diethyl Phthalate	84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Dimethyl Phthalate	131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Di-n-Butyl Phthalate	84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Di-n-Octyl Phthalate	117-84-0	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Diphenylamine	122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Diphenylhydrazine	38622-18-3	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Ethyl Methanesulfonate	62-50-0	--	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Fluoranthene	206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Fluorene	86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Hexachloro-1,3-Butadiene	87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5
Hexachlorobenzene	118-74-1	1 {EPA_MCL_GW}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Hexachlorocyclopentadiene	77-47-4	50 {EPA_MCL_GW}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Hexachloroethane	67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Indeno(1,2,3-cd)Pyrene	193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
m,p-Cresol	1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5,000	--	<5 [<5]	<5 [<5]	<5 [<5]	<5
m-Dichlorobenzene	541-73-1	--	ug/L	<1	<1	<1	<1	<1	<1
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Methyl Methanesulfonate	66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Naphthalene	91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5
Nitrobenzene	98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	<5
N-Nitrosodi-N-Butylamine	924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
N-Nitrosodi-N-Propylamine	621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
N-Nitrosopiperidine	100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
p-Chloroaniline	106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Pentachlorobenzene	608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Pentachloronitrobenzene	82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Pentachlorophenol	87-86-5	1 {EPA_MCL_GW}	ug/L	<5,000	<5 [<5]	<10 [<10]	<10 [<10]	<10 [<10]	<10
Phenacetin	62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Phenanthrene	85-01-8	1,100 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5

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**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 08/10/04	DRW-16 05/05/05	DRW-16 08/17/05	DRW-16 02/28/06	DRW-16 09/12/06	DRW-16 01/12/07
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
<b>Total Petroleum Hydrocarbons</b>									
Diesel Range Organics	DRO	--	ug/L	<50,000	<50,000 [<50,000]	<50,000 [<50,000]	<50,000 [<50,000]	<5,000 [<5,000]	<5,000
Gasoline Range Organics	GRO	--	ug/L	<100	<100 [<100]	<100 [<100]	<100 [<100]	<100 [<100]	<100
<b>Volatile Organic Compounds</b>									
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	6.85	4.29 [4]	4.34 [5.08]	3.41 [3.82]	7 [6.69]	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<2 [<2]	<2 [<2]	<2 [<2]	<5 [<5]	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	<5
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	--	--
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10 [<10]	14.9 [<10]	<10 [<10]	<10 [<10]	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [1.29]	<1 [<1]	1.07 [1.03]	1.23
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [3.51]	<1 [<1]	<1 [<1]	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Cymene	99-87-6	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Iodomethane	74-88-4	--	ug/L	<5	<5 [<5]	<5 [<5]	<5 [<5]	<5 [<5]	<5
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	--	--	--	--	<5
Isopropylbenzene (Cumene)	98-82-8	679 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
m,p-Xylene (m-Xylene)	108-38-3	620 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [3.29]	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 08/10/04	DRW-16 05/05/05	DRW-16 08/17/05	DRW-16 02/28/06	DRW-16 09/12/06	DRW-16 01/12/07
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	--	--	--	--	--	<5
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10 [<10]	<10 [<10]	<10 [<10]	<10 [<10]	<10 [<10]
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	104	86.6 [88.5]	110 [114]	84.8 [89.9]	115 [115]	119
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1 [<1]	<1 [<1]	<1 [<1]	<1 [<1]	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 10/03/07	DRW-16 04/02/08	DRW-16 08/22/08	DRW-16 03/09/09	DRW-16 09/01/09	DRW-17 05/05/05	DRW-17 08/16/05	DRW-17 02/23/06
<b>Explosives</b>											
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5 [<0.5]	<0.5	--	--	--	--	<0.5	<0.5
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<0.5	<0.5	<0.5	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<0.5	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	<0.5	<0.5	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5 [<0.5]	<0.5	--	--	--	--	<0.5	<0.5
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	0.259 J	<0.5	<0.5	<0.5	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5 [<0.5]	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
<b>Metals</b>											
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	<50	93	<30	<30	<30
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	64 [<50]	61	163	<20	87	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	46 [<5]	38	154	17	95	<10	<5	35
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<10 [<10]	6	9	<5	7	<10	11	<10
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5 [<2.5]	<2	<2	18	<2	<2.5	<2.5	<2.5
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	1,640	1,850	1,320
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<2 [<2]	<1	<2	<2	<2	<1	<1	<1
Calcium Metal	7440-70-2	--	ug/L	--	--	--	423,000	517,000	--	--	455,000
Chromium	7440-47-3	50 {NMED_GW}	ug/L	2,570 [900]	3,100	6,320	1,950	4,650	<10	<10	<10
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	433	452	<10	<10	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<2	4	<2	1 J	<20	<5	<5
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	6 [<5]	20	20	<5	19	<10	<5	14
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	3,230	9,880	19	21	<10
Lead	7439-92-1	50 {NMED_GW}	ug/L	<10 [<10]	<5	<5	<5	<5	<5	<5	<5
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	1,220
Magnesium	7439-95-4	--	ug/L	--	--	--	665,000	805,000	--	--	641,000
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	21	7	28	66	39
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2 [<0.2]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	45	32	<50	<50	<50
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	190 [135]	65	317	156	102	<10	<10	<10
Potassium	7440-09-7	--	ug/L	--	--	--	52,600	114,000	--	--	113,000
Selenium	7782-49-2	50 {NMED_GW}	ug/L	97 [76]	78	91	82	85	111	<10	<10
Silver	7440-22-4	50 {NMED_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<2	<2	<2
Sodium	7440-23-5	--	ug/L	--	--	--	2,070,000	2,640,000	--	--	2,160,000
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	17,800	9,760	7,310
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	<50 [<50]	<20	<50	<50	<50	--	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25 [<25]	<25	<100	--	--	<25	<25	<25
Total Cyanide	57-12-5T	--	ug/L	<10 [<10]	--	--	--	--	--	--	<10
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	74 [31]	84	253	37	214	30	27	25
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<10 [<10]	<7	7	<5	<5	48	48	14
<b>Metals-Dissolved</b>											
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	<50	<30	<30
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	--	--	--	<10	<5	34
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	<10	<10	<10
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	<2.5	<2.5	<2.5
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	1,610	1,840	1,250
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	--	--	--	--	--	<1	<1	<1
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	464,000	511,000	455,000
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	--	--	--	452	434	<10	<5	<5
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<25	<5	<5
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	<12.5	<12.5	<12.5
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	<10	<10	<10
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	--	--	--	--	--	<10	<5	<5

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 10/03/07	DRW-16 04/02/08	DRW-16 08/22/08	DRW-16 03/09/09	DRW-16 09/01/09	DRW-17 05/05/05	DRW-17 08/16/05	DRW-17 02/23/06	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	484	731	374	
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	627,000	629,000	663,000	
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	<25	35	<5	
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<50	<50	<50	
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<25	<5	<5	
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	--	--	--	108,000	103,000	119,000	
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	--	--	--	--	--	104	<10	<10	
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	--	--	--	--	--	--	<13	<2	<2	
Sodium, Dissolved	7440-23-5D	--	ug/L	--	--	--	--	--	--	1,820,000	2,210,000	2,040,000	
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	17,500	8,600	7,280	
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<25	<25	<25	
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	29	26	24	
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	--	--	--	--	--	--	<25	<5	<10	
<b>Other</b>													
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	--	--	--	--	--
Alkalinity	ALKN	--	ug/L	196,000 [194,000]	202,000	204,000	--	--	--	208,000	208,000	216,000	
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	196,000 [194,000]	202,000	204,000	204,000	204,000	204,000	208,000	208,000	216,000	
Alkalinity, Carbonate	CO3	--	ug/L	<1,000 [<1,000]	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	204,000	204,000	--	--	--	--	
Ammonia	7664-41-7	--	ug/L	--	--	--	--	--	--	<1,000	<1,000	<1,000	
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	1,060	616 J	--	
Bromide	24959-67-9	--	ug/L	1,030 [1,040]	--	--	<270	<270	--	650	<200	700	
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	2,000,000 [2,050,000]	2,470,000	2,750,000	2,640,000	2,200,000	2,200,000	1,420,000	1,400,000	1,490,000	
Conductivity	Cond	--	mS/cm	15.2 [14.4]	15.6	16.74	--	--	--	14.53	13.4	13.4	
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	<15	<15	--	--	--	--	
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	-5.35	--	--	--	--	--	
Delta D VSMOW	DDVSMOW	--	none	--	--	--	-48.3	--	--	--	--	--	
Dissolved Oxygen	DO	--	ug/L	2,080	2,850	2,700	--	--	--	730	690	710	
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	1,930 [1,930]	1,850	2,730	<170	<170	<170	1,880	1,920	2,720	
Hydroxide Alkalinity	Calk	--	ug/L	<1,000 [<1,000]	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	--	--	--	--	--	--	36,500	37,200	40,300	
Nitrate + Nitrite	14797-55-8b	--	ug/L	60,700 [57,000]	62,100	101,000	160,000	115,000	--	--	--	--	
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<100	<100	<100	
Oil And Grease	OG-HEM	--	ug/L	--	--	--	<5,000	<5,000	--	--	--	--	
Oxidation Reduction Potential	ORP	--	millivolts	92.9	-76.9	51.1	--	--	--	200.1	21.3	38.7	
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	<10	
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	7.31	7.19	--	--	--	--	
Phosphorus	7723-14-0	--	ug/L	--	--	--	33	143	<50	<50	<50	<50	
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--	
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	39,600	49,400	15,700	
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	37,800	46,500	14,900	
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	5,990,000 [5,970,000]	6,160,000	6,560,000	6,200,000	5,640,000	6,380,000	6,170,000	6,210,000		
Temperature	TEMP	--	deg c	22.22	21.28	21.57	--	--	--	24.81	23.1	18.81	
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	4,760 J	<10,000	<4,000	<4,000	<4,000	<4,000	
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	13,800,000 [11,800,000]	14,300,000	14,100,000	15,400,000	13,600,000	11,600,000	12,800,000	13,800,000		
Total Organic Carbon	TOC	--	ug/L	1,620 [1,690]	<1,000	--	1,860	1,160	--	7,030	450		
Turbidity	TURB	--	NTU	332	132	324	--	--	0.18	1.04	0.47		
<b>Pesticides/Herbicides</b>													
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDT (1,1,1-Trichloro-2,2-bis(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 10/03/07	DRW-16 04/02/08	DRW-16 08/22/08	DRW-16 03/09/09	DRW-16 09/01/09	DRW-17 05/05/05	DRW-17 08/16/05	DRW-17 02/23/06
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--	--	--
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Camphechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--	--	--
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--
Dichlorprop	120-36-5	--	ug/L	--	--	--	--	--	--	--	--
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--	--	--
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--	--	--
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--	--	--
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--	--	--
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--	--	--
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--	--	--
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>											
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	--	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<5	--	--	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<5	--	--	<1	<1	<1
1-Chloronaphthalene	90-13-1	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
1-Naphthylamine	134-32-7	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10 [<10]	<10	<10	<10	<10	<5	<10	<10
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	--	--	<5	<5	<5
2,6-Dichlorophenol	87-65-0	--	ug/L	<10 [<10]	<10	<10	<10	<10	<5	<10	<10
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	--	--	<5	<5	<5
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
2-Choronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Methyl Pyridine	109-06-8	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Nitrophenol	88-75-5	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<5	--	--
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	<5	<5	--	--
3-Nitroaniline	99-09-2	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 10/03/07	DRW-16 04/02/08	DRW-16 08/22/08	DRW-16 03/09/09	DRW-16 09/01/09	DRW-17 05/05/05	DRW-17 08/16/05	DRW-17 02/23/06
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<5	--	--
4-Nitrophenol		100-02-7	--	ug/L	<25 [<25]	<25	<25	<25	<25	<25	<25	<25
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Acenaphthylene		208-96-8	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25 [<25]	<25	<25	<25	<25	<10	<25	<25
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzoinic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	--	--	<5	<5	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<5 [<5]	<5	<5	2.26 J	<5	<10	<50	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10 [<10]	<10	<10	<10	<10	<5	<10	<10
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Dibenzofuran		132-64-9	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Diphenylhydrazine		38622-18-3	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	<5	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	--	--	--	<5	<5
m-Dichlorobenzene		541-73-1	--	ug/L	<1	<1	<5	--	--	<1	<1	<1
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	<5	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<5	--	--	<5	<5	<5
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
p-Chloroaniline		106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Pentachlorobenzene		608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Pentachloronitrobenzene		82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Pentachlorophenol		87-86-5	1 {EPA_MCL_GW}	ug/L	<10 [<10]	<10	<10	<10	<10	<5	<10</td	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 10/03/07	DRW-16 04/02/08	DRW-16 08/22/08	DRW-16 03/09/09	DRW-16 09/01/09	DRW-17 05/05/05	DRW-17 08/16/05	DRW-17 02/23/06
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
<b>Total Petroleum Hydrocarbons</b>											
Diesel Range Organics	DRO	--	ug/L	<5,000 [<5,000]	<5,000	<5,000	<5,000	<5,000	<50,000	<50,000	<50,000
Gasoline Range Organics	GRO	--	ug/L	<100 [<100]	<100	<100	<200	<200	<100	<100	<100
<b>Volatile Organic Compounds</b>											
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1 [<1]	1.17	1.83	1.77	1.32	<1	<1	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	5.39 [5.55]	6.78	9.5	8.74	5.84	<1	<1	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<2	<2	<2
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--
2,2-Dichloropropane	594-20-7	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	<1	<1	--	--	--	--
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10 [<10]	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	0.38 J	0.288 J	<1	<1	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	0.165 J	<1	<1	<1	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5 [<5]	<5	<5	<5	<5	<1	<1	<1
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	0.394 J	<1	<1	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Chlorobromomethane	74-97-5	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1 [<1]	1.06	1.56	1.27	1.07	<1	<1	<1
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Cymene	99-87-6	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	--	ug/L	<5 [<5]	<5	<5	<5	<5	<5	<5	<5
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	679 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
m,p-Xylene (m-Xylene)	108-38-3	620 {NMED_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-16 10/03/07	DRW-16 04/02/08	DRW-16 08/22/08	DRW-16 03/09/09	DRW-16 09/01/09	DRW-17 05/05/05	DRW-17 08/16/05	DRW-17 02/23/06
Methyl N-Butyl Ketone		591-78-6	--	ug/L	<5 [<5]	<5	<5	<5	<5	<1	<1	<1
Methylbenzene (Toluene)		108-88-3	750 {NMED_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)		1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	0.42 J	0.289 J	<1	<1	<1
n-Butylbenzene		104-51-8	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene		103-65-1	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
o-Xylene		95-47-6	620 {NMED_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		135-9-88	--	ug/L	<1 [<1]	<1	<1	--	--	<1	<1	<1
Styrene (Monomer)		100-42-5	100 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol		75-65-0	--	ug/L	--	--	--	--	--	--	--	--
tert-Butylbenzene		98-06-6	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene		127-18-4	5 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene		156-60-5	100 {EPA_MCL_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene		10061-02-6	--	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene		110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10 [<10]	<10	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)		75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene		79-01-6	5 {EPA_MCL_GW}	ug/L	88 [89]	98.6	126	108	77.8	1.8	1.92	3.02
Vinyl Chloride		75-01-4	1 {NMED_GW}	ug/L	<1 [<1]	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-17 09/11/06	DRW-17 01/11/07	DRW-17 09/27/07	DRW-17 04/02/08	DRW-17 08/14/08	DRW-17 03/06/09	HELSTF-01 12/28/06	HELSTF-01 03/10/09	HELSTF-01 03/12/09
<b>Explosives</b>												
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5	--	<0.5	<0.5	--	--	--	--	--
<b>Metals</b>												
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	<30	--	--	--	--	--	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	<50	<20	<20	--	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<10	--	<5	<5	<10	--	<10 [<10]	--	--
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<10	--	<10	6	8	--	<10 [<10]	--	--
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5	--	<2.5	<2	<2	--	--	--	--
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	1,420	--	--	--	--	--	--	--	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<1	<2	<1	<2	--	<1 [<1]	--	--
Calcium Metal	7440-70-2	--	ug/L	480,000	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	20	27	56	82	115	177	<5 [<5]	62	--
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	143	--	67.9	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<5	--	<5	<2	<2	--	--	--	--
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	<5	<5	6	<5	<5	--	--	--	--
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	40	--	--	--	--	--	--	--	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<5	<10	<5	<5	--	<5 [<5]	--	--
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	163	--	--	--	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	630,000	--	--	--	--	--	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	<25	--	--	--	--	--	--	--	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	--	<0.2	<0.2	<0.2	--	<0.2 [<0.2]	--	--
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	<50	--	--	--	--	--	--	--	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	<5	--	<5	9	12	--	--	--	--
Potassium	7440-09-7	--	ug/L	59,300	--	--	--	--	--	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	<10	--	66	63	80	--	<10 [<10]	--	--
Silver	7440-22-4	50 {NMED_GW}	ug/L	<2	<2	<5	<5	<5	--	<2 [<2]	--	--
Sodium	7440-23-5	--	ug/L	2,370,000	2,760,000	--	--	--	--	2,710,000 [2,560,000]	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	7,110	--	--	--	--	--	--	--	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	<50	<20	<50	--	--	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	--	<25	<25	<100	--	--	--	--
Total Cyanide	57-12-5T	--	ug/L	<10	--	<10	--	--	--	--	--	--
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	26	--	23	21	26	--	--	--	--
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	7	<5	10	<7	<5	--	<5 [<5]	--	--
<b>Metals-Dissolved</b>												
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	<30	--	--	--	--	--	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	<5	--	--	--	--	--	<5 [<5]	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	<10	--	--	--	--	--	<10 [<10]	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	<2.5	--	--	--	--	--	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	1,400	--	--	--	--	--	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	<1	<1	--	--	--	--	<1 [<1]	--	--
Calcium, Dissolved	7440-70-2D	--	ug/L	505,000	--	--	--	--	--	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	17	<5	--	--	--	92	<5 [<5]	64	--
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	<5	--	--	--	--	--	--	--	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	<12.5	<5	--	--	--	--	--	--	--
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	54	--	--	--	--	--	--	--	--
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	<5	<5	--	--	--	--	<5 [<5]	--	--

(See Notes Page for Qualifiers and Acronyms)

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**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-17 09/11/06	DRW-17 01/11/07	DRW-17 09/27/07	DRW-17 04/02/08	DRW-17 08/14/08	DRW-17 03/06/09	HELSTF-01 12/28/06	HELSTF-01 03/10/09	HELSTF-01 03/12/09
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	188	--	--	--	--	--	--	--	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	662,000	--	--	--	--	--	--	--	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	<25	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	<50	--	--	--	--	--	--	--	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	<5	--	--	--	--	--	--	--	--
Potassium, Dissolved	7440-09-7D	--	ug/L	72,700	--	--	--	--	--	--	--	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	53	--	--	--	--	--	<10 [<10]	--	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<2	<2	--	--	--	--	<2 [<2]	--	--
Sodium, Dissolved	7440-23-5D	--	ug/L	2,500,000	2,660,000	--	--	--	--	2,850,000 [2,780,000]	--	--
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	6,710	--	--	--	--	--	--	--	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	--	--	--	--	--	--	--	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	21	--	--	--	--	--	--	--	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	5	<5	--	--	--	--	<5 [<5]	--	--
<b>Other</b>												
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	112	--	--	--	--	--	--	--
Alkalinity	ALKN	--	ug/L	208,000	222,000	216,000	218,000	220,000	--	210,000 [210,000]	--	--
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	208,000	222,000	216,000	218,000	220,000	--	210,000 [210,000]	--	--
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	--	<1,000 [<1,000]	--	--
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	<1,000	<1,000	--	--	--	--	--	--	--
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	<200	<1,000	770	--	--	--	--	--	--
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	1,540,000	1,620,000	1,540,000	1,510,000	1,710,000	--	--	--	--
Conductivity	Cond	--	mS/cm	13.5	13.64	13.8	13.7	14.28	--	13.41 [13.41]	--	--
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	-5	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	-45.74	--	--
Dissolved Oxygen	DO	--	ug/L	550	650	600	950	850	--	3,910 [3,910]	--	--
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	<20,000	--	--	--	--	--	--	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	2,400	2,160	2,200	2,020	2,020	--	--	--	--
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	--	<1,000 [<1,000]	--	--
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	49,300	--	--	--	--	--	--	--	--
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	59,800	31,300	37,300	257,000	--	--	--	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<200	--	--	--	--	--	--	--	--
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	22.5	20.3	71.8	-102.2	-3.7	--	68.2 [68.2]	--	--
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	<10	--	--	--	--	--	--	--	--
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	<50	<50	--	--	--	--	<50 [<50]	--	--
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--
Silica	7631-86-9	--	ug/L	35,800	--	--	--	--	--	--	--	--
Silica, Dissolved	7631-86-9D	--	ug/L	36,800	--	--	--	--	--	--	--	--
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	6,630,000	6,490,000	5,770,000	5,770,000	6,370,000	--	--	--	--
Temperature	TEMP	--	deg c	23.3	19.93	21.13	19.91	22.31	--	15.29 [15.29]	--	--
Total Kjeldahl Nitrogen	TKN	--	ug/L	<4,000	--	--	--	--	--	--	--	--
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	11,820,000	12,500,000	12,000,000	13,000,000	12,600,000	--	12,800,000 [12,700,000]	--	--
Total Organic Carbon	TOC	--	ug/L	720	<1,000	<1,000	<1,000	--	--	1,080 [1,020]	--	--
Turbidity	TURB	--	NTU	0.48	0.37	0.19	0.25	0.72	--	1.6 [1.6]	--	--
<b>Pesticides/Herbicides</b>												
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--

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Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)		319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
Alpha-Chlordane		5103-71-9	--	ug/L	--	--	--	--	--	--	--	--	--
Beta-BHC		319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
Camphechlor (Toxaphene)		8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)		319-86-8	--	ug/L	--	--	--	--	--	--	--	--	--
Dicamba		1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Dichloroacetic Acid		79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--
Dichloroprop		120-36-5	--	ug/L	--	--	--	--	--	--	--	--	--
Dieldrin		60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)		88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
Endosulfan I		959-98-8	--	ug/L	--	--	--	--	--	--	--	--	--
Endosulfan II		33213-65-9	--	ug/L	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate		1031-07-8	--	ug/L	--	--	--	--	--	--	--	--	--
Endrin		72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
Endrin Aldehyde		7421-93-4	--	ug/L	--	--	--	--	--	--	--	--	--
Endrin Ketone		53494-70-5	--	ug/L	--	--	--	--	--	--	--	--	--
Gamma-Chlordane		5566-34-7	--	ug/L	--	--	--	--	--	--	--	--	--
G-BHC (Lindane)		58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
Heptachlor		76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide		1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)		94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )		93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Mecoprop		7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)		12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene		95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
1,2,4-Trichlorobenzene		120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
1,2-Benzphenanthracene (Chrysene)		218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
1,2-Dichlorobenzene		95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,4-Dichlorobenzene		106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1-Chloronaphthalene		90-13-1	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
1-Methylnaphthalene		90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
1-Naphthylamine		134-32-7	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2,4,5-Trichlorophenol		95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2,4,6-Trichlorophenol		88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	--	--	--	--
2,4-Dichlorophenol		120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2,4-Dimethylphenol		105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2,4-Dinitrophenol		51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2,4-Dinitrotoluene		121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2,6-Dichlorophenol		87-65-0	--	ug/L	<10	<10	<10	<10	<10	--	--	--	--
2,6-Dinitrotoluene		606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)		111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	<5	--	--	--	--	--	--	--
2-Chloronaphthalene (b-)		91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Chlorophenol		95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Methyl Pyridine		109-06-8	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)		534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Methylnaphthalene		91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Methylphenol (o-cresol)		95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Naphthylamine		91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Nitroaniline		88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
2-Nitrophenol		88-75-5	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
3,3-Dichlorobenzidine		91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)		78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
3-Methylchloranthrene		56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
3-Methylphenol (m-cresol)		108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
3-Methylphenol/4-Methylphenol		108-39-4b	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
3-Nitroaniline		99-09-2	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
4-Aminobiphenyl		92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
4-Bromophenyl Phenyl Ether		101-55-3	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--

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4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	<25	<25	<25	<25	<25	--	--	--	--
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Acenaphthylene		208-96-8	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	<25	<25	<25	--	--	--	--
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	<10	<10	<10	--	--	--	--
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Dibenzofuran		132-64-9	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Diphenylhydrazine		38622-18-3	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
m-Dichlorobenzene		541-73-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5	<5	<0.5	<0.5	<5	--	--	--	--
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
p-Chloroaniline		106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Pentachlorobenzene		608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Pentachloronitrobenzene		82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Pentachlorophenol		87-86-5	1 {EPA_MCL_GW}	ug/L	<10	<10	<10	<10	<10	--	--	--	--
Phenacetin		62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Phenanthrene		85-01-8	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-17 09/11/06	DRW-17 01/11/07	DRW-17 09/27/07	DRW-17 04/02/08	DRW-17 08/14/08	DRW-17 03/06/09	HELSTF-01 12/28/06	HELSTF-01 03/10/09	HELSTF-01 03/12/09
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5	<5	--	--	--	--
<b>Total Petroleum Hydrocarbons</b>												
Diesel Range Organics	DRO	--	ug/L	<5,000	<5,000	<5,000	<5,000	<5,000	--	--	--	--
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100	<100	<100	--	--	--	--
<b>Volatile Organic Compounds</b>												
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	1.02	<1	1.01	<1 [<1]	--	1.19
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	<5	--	--	--	--	<5 [<5]	--	--
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	--	<1	--	--	<1
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10 [<10]	--	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	0.39 J
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Cymene	99-87-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Iodomethane	74-88-4	--	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	<5	--	--	--	--	<5 [<5]	--	--
Isopropylbenzene (Cumene)	98-82-8	679 {NMED_Tapwater_09}	ug/L									

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	DRW-17 09/11/06	DRW-17 01/11/07	DRW-17 09/27/07	DRW-17 04/02/08	DRW-17 08/14/08	DRW-17 03/06/09	HELSTF-01 12/28/06	HELSTF-01 03/10/09	HELSTF-01 03/12/09
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5 [<5]	--	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1	<1	<1	<1	--	<1 [<1]	--	--
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	--	<5	--	--	--	--	<5 [<5]	--	--
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10 [<10]	--	<10
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	4.09	4.43	5.89	7.84	8.94	10.4	35.1 [35.9]	--	111
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1 [<1]	--	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-08 11/16/04	HMW-08 10/24/05	HMW-08 12/15/06	HMW-08 04/16/08	HMW-08 08/19/08	HMW-16 04/02/09	HMW-29 02/04/04	HMW-29 07/06/04	HMW-29 03/24/05
<b>Explosives</b>												
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	<0.5
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	<0.5
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	0.841	<0.5
m-Dinitrotoluene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
<b>Metals</b>												
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	865	<100	<30
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	--	<20	<20	--	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	--	--	<10	<5	14	--	<10	<5	<10
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	--	--	<10	11	11	--	<100	16	16
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	--	--	--	<2	<2	--	<2.5	<2.5	13
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	1,560	1,630	1,580
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	--	--	<1	<1	<2	--	<5	<1	<5
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	--	--	<5	--	5	219	<10	<5	<10
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	35	--	312	15	<10	<10
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<2	<2	--	<20	<5	<20
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	--	--	<5	<5	<5	--	<12.5	12	40
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	590	<50	222
Lead	7439-92-1	50 {NMED_GW}	ug/L	--	--	<5	<5	<5	--	<10	<10	<10
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	--	--	--	--	--	--	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	<25	<25	<25
Mercury	7439-97-6	2 {NMED_GW}	ug/L	--	--	<0.2	<0.2	<0.2	--	<0.2	<0.2	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	66	71	109
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<25	<5	<25
Potassium	7440-09-7	--	ug/L	--	--	63,500	--	--	--	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	--	--	<10	54	50	--	<50	87	260
Silver	7440-22-4	50 {NMED_GW}	ug/L	--	--	<2	<5	<5	--	<12.5	<3	<2
Sodium	7440-23-5	--	ug/L	--	--	2,960,000	--	--	--	--	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	9,480	10,700	15,900
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	--	<20	<50	--	--	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<25	<100	--	<25	<25	208
Total Cyanide	57-12-5T	--	ug/L	--	--	--	--	--	--	<10	--	<10
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	--	--	--	26	24	--	26	21	37
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	--	--	<5	<7	8	--	<25	<10	<5
<b>Metals-Dissolved</b>												
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<50	<50	<50
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	<5	--	--	--	<10	<5	<10
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	<10	--	--	--	<100	14	13
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<2.5	<2.5	<2.5
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	1,100	1,270	--	--	--	--	1,330	1,430	1,540
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	--	--	<1	--	--	--	<25	<1	<1
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	430,000	464,000	467,000
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	--	--	<5	--	--	233	<10	<5	<10
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<25	<5	<25
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	--	--	<12.5	--	--	--	<12.5	<12.5	13
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	<50	<50	14
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	--	--	<5	--	--	--	<10	<5	<10

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-08 11/16/04	HMW-08 10/24/05	HMW-08 12/15/06	HMW-08 04/16/08	HMW-08 08/19/08	HMW-16 04/02/09	HMW-29 02/04/04	HMW-29 07/06/04	HMW-29 03/24/05	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<b>597</b>	<b>1,030</b>	<b>618</b>	
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	564,000	689,000	615,000	
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	<25	<25	<25	
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	51	52	--	--	--	--	65	81	63	
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<25	8	<25	
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	72,000	--	--	--	81,000	80,700	91,800	
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	<10	45	<10	--	--	--	<50	<10	<b>120</b>	
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	--	--	<2	--	--	--	<13	<3	<13	
Sodium, Dissolved	7440-23-5D	--	ug/L	--	--	3,030,000	--	--	--	1,920,000	2,380,000	1,990,000	
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	9,440	10,100	14,600	
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<25	<25	<25	
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<25	21	30	
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	--	--	<5	--	--	--	<25	<10	<25	
<b>Other</b>													
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	--	--	--	--	--
Alkalinity	ALKN	--	ug/L	--	--	232,000	224,000	242,000	--	224,000	212,000	222,000	
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	--	--	232,000	224,000	242,000	--	224,000	212,000	222,000	
Alkalinity, Carbonate	CO3	--	ug/L	--	--	<1,000	<1,000	<1,000	--	<1,000	<1,000	<1,000	
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--	
Ammonia	7664-41-7	--	ug/L	--	--	<1,000	--	--	--	<1,000	4,000	<1,000	
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--	
Bromide	24959-67-9	--	ug/L	--	--	<1,000	--	--	--	720	660	<200	
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	<b>1,060,000</b>	<b>1,130,000</b>	<b>1,170,000</b>	<b>1,130,000</b>	<b>1,200,000</b>	--	<b>1,240,000</b>	<b>1,170,000</b>	<b>1,220,000</b>	
Conductivity	Cond	--	mS/cm	10.89	--	13.87	13.2	14.09	--	13.2	12.9	14.13	
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	--	--	--	
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	--	--	--	
Dissolved Oxygen	DO	--	ug/L	--	--	680	780	1,220	--	6,500	--	5,570	
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	1,000	<b>2,290</b>	<b>2,540</b>	<b>2,320</b>	<b>2,370</b>	--	<200	<200	<200	
Hydroxide Alkalinity	Calk	--	ug/L	--	--	<1,000	<1,000	<1,000	--	<1,000	<1,000	<1,000	
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	<b>33,400</b>	<b>33,400</b>	<b>36,100</b>	--	--	--	<b>35,700</b>	<b>35,400</b>	<b>45,200</b>	
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	--	--	30,200	257,000	--	--	--	--	
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	--	--	<1,000	--	--	--	<100	<100	<10	
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	ORP	--	millivolts	--	--	115.4	-55.5	253.8	--	--	--	433	
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<1.18	<1.18	--	
pH	pH	6-9 {NMED_GW}	pH Units	7.08	--	--	--	--	--	--	7.37	--	
Phosphorus	7723-14-0	--	ug/L	--	--	58	--	--	--	<50	<50	<50	
Salinity	SAL	--	%	--	--	--	--	--	--	7.7	--	--	
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	53,700	45,900	44,600	
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	48,000	41,900	43,800	
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	<b>6,730,000</b>	<b>7,470,000</b>	<b>8,310,000</b>	<b>6,750,000</b>	<b>7,240,000</b>	--	<b>6,800,000</b>	<b>6,410,000</b>	<b>6,500,000</b>	
Temperature	TEMP	--	deg c	13.94	--	19.66	21.45	21.44	--	17.3	--	20.07	
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	--	--	--	<4,000	<4,000	<4,000	
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	<b>12,800,000</b>	<b>15,000,000</b>	<b>13,000,000</b>	<b>12,800,000</b>	<b>12,600,000</b>	--	<b>12,400,000</b>	<b>12,300,000</b>	<b>12,000,000</b>	
Total Organic Carbon	TOC	--	ug/L	--	--	1,030	<1,000	--	--	<1,000	<1,000	36,900	
Turbidity	TURB	--	NTU	--	--	2.47	7.65	6.81	--	--	--	1.29	
<b>Pesticides/Herbicides</b>													
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<b>&lt;100</b>	<b>&lt;100</b>	<0.5	
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<1	--	--	
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<0.2	--	--	
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<0.2	--	--	
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<0.2	--	--	
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<0.2	--	--	
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<b>&lt;100</b>	<b>&lt;100</b>	<0.5	
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<b>&lt;100</b>	<b>&lt;100</b>	<0.5	
4,4-DDT (1,1,1-Trichloro-2,2-bis(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<b>&lt;100</b>	<b>&lt;100</b>	<0.5	
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<b>&lt;100</b>	<b>&lt;100</b>	<0.5	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-08 11/16/04	HMW-08 10/24/05	HMW-08 12/15/06	HMW-08 04/16/08	HMW-08 08/19/08	HMW-16 04/02/09	HMW-29 02/04/04	HMW-29 07/06/04	HMW-29 03/24/05	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Campechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<1,000	<1,000	<5	
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<0.2	--	--	
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	
Dichlorprop	120-36-5	--	ug/L	--	--	--	--	--	--	<0.2	--	--	
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<0.2	--	--	
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<100	<100	<0.5	
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<10	--	--	
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<10	--	--	
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--	
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<1,000	<1,000	<5	
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	<5	<5	<5	<5	
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<5,000	<5,000	<1	
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<5,000	<5,000	<1	
1-Chloronaphthalene	90-13-1	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
1-Naphthylamine	134-32-7	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	--	--	--	<10	<10	--	<5,000	<5,000	<5	
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<20,000	<20,000	<5	
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2,6-Dichlorophenol	87-65-0	--	ug/L	--	--	--	<10	<10	--	<5,000	<5,000	<5	
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Methyl Pyridine	109-06-8	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
2-Nitrophenol	88-75-5	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<5,000	--	--	
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--	--	--	--	
3-Nitroaniline	99-09-2	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-08 11/16/04	HMW-08 10/24/05	HMW-08 12/15/06	HMW-08 04/16/08	HMW-08 08/19/08	HMW-16 04/02/09	HMW-29 02/04/04	HMW-29 07/06/04	HMW-29 03/24/05
4-Chloro-3-Methylphenol	59-50-7	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
4-Chlorophenyl Phenyl Ether	7005-72-3	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
4-Dimethylaminoazobenzene	60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
4-Methyl Phenol (p-cresol)	106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<5,000	--	--
4-Nitrophenol	100-02-7	--	ug/L	--	--	--	<25	<25	--	<5,000	<5,000	<25
7,12-Dimethylbenz(a)Anthracene	57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
a,a-Dimethylphenethylamine	122-09-8	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Acenaphthene	83-32-9	2,190 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Acenaphthylene	208-96-8	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Acetophenone	98-86-2	3,650 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Aniline	62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Anthracene	120-12-7	11,000 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzidine	92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	--	--	--	<25	<25	--	<15,000	<15,000	<10
Benzo(a)Anthracene	56-55-3	0.921 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzo(a)Pyrene	50-32-8	0.2 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzo(b)Fluoranthene	205-99-2	0.921 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzo(g,h,i)Perylene	191-24-2	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzo(k)Fluoranthene	207-08-9	9.21 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzoic Acid	65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<20,000	<20,000	<5
Benzyl Alcohol	100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Bis (2-Chloroethoxy) Methane	111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))	108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	0.119 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Bis(2-Chloroisopropyl)Ether	39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	6 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	--	<10,000	<10,000	<10
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<10	<10	--	<5,000	<5,000	<5
Dibenz(a,h)Anthracene	53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Dibenz(a,j)Acridine	224-42-0	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Dibenzofuran	132-64-9	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Diethyl Phthalate	84-66-2	29,200 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Dimethyl Phthalate	131-11-3	365,000 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Di-n-Butyl Phthalate	84-74-2	3,650 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Di-n-Octyl Phthalate	117-84-0	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Diphenylamine	122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Diphenylhydrazine	38622-18-3	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Ethyl Methanesulfonate	62-50-0	--	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Fluoranthene	206-44-0	1,460 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Fluorene	86-73-7	1,460 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Hexachloro-1,3-Butadiene	87-68-3	8.62 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	<5
Hexachlorobenzene	118-74-1	1 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Hexachlorocyclopentadiene	77-47-4	50 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Hexachloroethane	67-72-1	36.5 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Indeno(1,2,3-cd)Pyrene	193-39-5	0.921 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
m,p-Cresol	1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	--	<5,000	<5
m-Dichlorobenzene	541-73-1	--	ug/L	--	--	--	<1	<1	<1	<5,000	<5,000	<1
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Methyl Methanesulfonate	66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Naphthalene	91-20-3	1.43 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	<5
Nitrobenzene	98-95-3	14.9 {NMED_Tapwater_09}	ug/L	--	--	--	<0.5	<5	--	<5,000	<5,000	<5
N-Nitrosodi-N-Butylamine	924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
N-Nitrosodi-N-Propylamine	621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
N-Nitrosopiperidine	100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
p-Chloroaniline	106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Pentachlorobenzene	608-93-5	29.2 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Pentachloronitrobenzene	82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Pentachlorophenol	87-86-5	1 {EPA_MCL_GW}	ug/L	--	--	--	<10	<10	--	<5,000	<5,000	<5
Phenacetin	62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5
Phenanthrene	85-01-8</td											

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-08 11/16/04	HMW-08 10/24/05	HMW-08 12/15/06	HMW-08 04/16/08	HMW-08 08/19/08	HMW-16 04/02/09	HMW-29 02/04/04	HMW-29 07/06/04	HMW-29 03/24/05	
Phenol	108-95-2	5 {NMED_GW}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	--	<5,000	<5,000	<5	
<b>Total Petroleum Hydrocarbons</b>													
Diesel Range Organics	DRO	--	ug/L	--	--	--	<5,000	<5,000	--	<50,000	<50,000	<50,000	
Gasoline Range Organics	GRO	--	ug/L	--	--	--	<100	<100	--	<100	<100	<100	
<b>Volatile Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,1-Dichloropropene	563-58-6	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	--	--	--	<5	<5	<5	<5	<5	<5	
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	<5	<5	<5	<2	
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropane	594-20-7	--	ug/L	--	--	--	<1	<1	<0.42	<1	<1	<1	
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	1.71 J	<5	<5	<5	
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	--	--	--	<5	<5	<5	<5	<5	<5	
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	--	<1	--	--	--	
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	<5	
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	--	--	--	<10	<10	9.59 J	<10	<10	<10	
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	<1	
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Chlorobromomethane	74-97-5	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Chloroform	67-66-3	100 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Cymene	99-87-6	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	--	--	--	<5	<5	<5	<5	<5	<5	
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
Iodomethane	74-88-4	--	ug/L	--	--	--	<5	<5	<5	<5	<5	<5	
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	--	--	--	--	--	--	--	--	
Isopropylbenzene (Cumene)	98-82-8	679 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	
m,p-Xylene (m-Xylene)	108-38-3	620 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-08 11/16/04	HMW-08 10/24/05	HMW-08 12/15/06	HMW-08 04/16/08	HMW-08 08/19/08	HMW-16 04/02/09	HMW-29 02/04/04	HMW-29 07/06/04	HMW-29 03/24/05
Methyl N-Butyl Ketone		591-78-6	--	ug/L	--	--	--	<5	<5	<5	<5	<5	<1
Methylbenzene (Toluene)		108-88-3	750 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)		1634-04-4	125 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
n-Butylbenzene		104-51-8	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
n-Propylbenzene		103-65-1	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
o-Xylene		95-47-6	620 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		135-9-88	--	ug/L	--	--	--	<1	<1	--	<1	<1	<1
Styrene (Monomer)		100-42-5	100 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol		75-65-0	--	ug/L	--	--	--	--	--	--	--	--	--
tert-Butylbenzene		98-06-6	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Tetrachloroethene		127-18-4	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene		156-60-5	100 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene		10061-02-6	--	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene		110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	--	--	--	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)		75-25-2	85.1 {NMED_Tapwater_09}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Trichloroethylene		79-01-6	5 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1
Vinyl Chloride		75-01-4	1 {NMED_GW}	ug/L	--	--	--	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-29 08/03/05	HMW-29 02/10/06	HMW-29 08/16/06	HMW-29 12/20/06	HMW-29 03/10/09	HMW-29 08/20/09	HMW-30 12/19/06	HMW-32 02/05/04
<b>Explosives</b>											
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	<0.5	<0.5	--	--	--	--	<0.5
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	<0.5	<0.5	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	<0.5	<0.5	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	<0.5	<0.5	--	--	--	--	<0.5
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<0.5
<b>Metals</b>											
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	199	<30	<30	--	60	148	--	197
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	--	--	<20	<20	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<5	<5	<10	<10 [<10]	<10	<10	<10	<10
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<10	<10	<10	11 [10]	7	15	<10	32
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5	4	<2.5	--	<2	<2	--	<2.5
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	1,640	1,300	1,350	--	--	--	--	2,200
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	2 [2]	<2	<2	<1	<5
Calcium Metal	7440-70-2	--	ug/L	--	466,000	470,000	--	403,000	454,000	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	<10	<5	40	6 [5]	<5	4 J	<5	<10
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	<10	--	--	--	<12.5	<10	--	<10
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<2	<2	--	<20
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	<5	139	40	--	<5	3 J	--	<25
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	<10	<10	152	--	51	98	--	72
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<10
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	<5	395	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	--	662,000	638,000	--	558,000	630,000	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	<25	<25	<5	--	3	6	--	<25
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	<0.2 [<0.2]	<0.2	<0.2	<0.2	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	<50	55	<50	--	50	52	--	218
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	<10	<5	15	--	<5	3 J	--	<25
Potassium	7440-09-7	--	ug/L	--	101,000	105,000	--	55,300	56,800	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	<10	68	54	<10 [<10]	65	52	<10	<10
Silver	7440-22-4	50 {NMED_GW}	ug/L	<2	<2	<2	<2 [<2]	<5	<5	<2	<12.5
Sodium	7440-23-5	--	ug/L	--	1,920,000	1,750,000	--	2,000,000	2,330,000	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	8,770	9,810	18,500	--	--	--	--	8,760
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	--	--	<50	<50	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25	<25	--	--	--	--	<25
Total Cyanide	57-12-5T	--	ug/L	--	<10	--	--	--	--	--	<10
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	<5	29	21	--	20	20	--	<25
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<5	9	16	<5 [<5]	1 J	14	<5	<25
<b>Metals-Dissolved</b>											
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	160	<30	<30	--	--	--	--	<50
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5 [<5]	--	--	<5	<10
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	<10	<10	<10	<10 [<10]	--	--	<10	<100
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	<2.5	4	<2.5	--	--	--	--	<2.5
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	1,400	1,280	1,420	--	--	--	--	1,810
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	--	--	<1	<25
Calcium, Dissolved	7440-70-2D	--	ug/L	507,000	523,000	430,000	--	--	--	--	411,000
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	<5	<5	28	<5 [<5]	<1	3	<5	<10
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<25
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	<12.5	107	44	--	--	--	--	<12.5
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	<10	<10	97	--	--	--	--	<50
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	<5	<5	<5	<5 [<5]	--	--	<5	<10

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-29 08/03/05	HMW-29 02/10/06	HMW-29 08/16/06	HMW-29 12/20/06	HMW-29 03/10/09	HMW-29 08/20/09	HMW-30 12/19/06	HMW-32 02/05/04
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	530	<5	385	--	--	--	--	652
Magnesium, Dissolved	7439-95-4D	--	ug/L	698,000	699,000	590,000	--	--	--	--	467,000
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	<25	<5	<5	--	--	--	--	<25
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	<50	55	<50	--	--	--	--	151
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	<5	<5	12	--	--	--	--	<25
Potassium, Dissolved	7440-09-7D	--	ug/L	95,000	111,000	109,000	--	--	--	--	75,100
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	<10	66	67	98 [<10]	--	--	<10	<50
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<2	<2	<2	<2 [<2]	--	--	<2	<13
Sodium, Dissolved	7440-23-5D	--	ug/L	2,550,000	2,170,000	1,910,000	--	--	--	--	2,120,000
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	7,890	9,120	16,600	--	--	--	--	7,040
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25	<25	--	--	--	--	<25
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	<5	22	25	--	--	--	--	<25
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	<5	<10	49	<5 [<5]	--	--	<5	<25
<b>Other</b>											
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	105 [106]	--	--	104	--
Alkalinity	ALKN	--	ug/L	210,000	228,000	220,000	222,000 [218,000]	--	--	154,000	176,000
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	210,000	228,000	220,000	222,000 [218,000]	220,000	220,000	154,000	176,000
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000 [<1,000]	<1,000	<1,000	<1,000	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	220,000	220,000	--	--
Ammonia	7664-41-7	--	ug/L	<1,000	<1,000	<1,000	--	--	--	--	<1,000
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	728 J	784 J	--	--
Bromide	24959-67-9	--	ug/L	690	<200	<200	<1,000 [<1,000]	<270	<500	<1,000	<200
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	1,130,000	1,120,000	1,190,000	1,160,000 [1,160,000]	1,180,000	1,140,000	660,000	1,160,000
Conductivity	Cond	--	mS/cm	13.3	12.5	12.67	13.11 [13.11]	--	--	10.77	13.61
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	<15	<15	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	4,380	3,900	4,830	4,950 [4,950]	--	--	2,740	7,940
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<20,000 [<20,000]	--	--	<20,000	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	1,900	1,920	<200	1,740 [1,760]	<170	<500	2,390	<200
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000 [<1,000]	<1,000	<1,000	<1,000	<1,000
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	35,600	35,700	38,800	37,400 [39,000]	--	--	13,500	27,900
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	--	--	--	64,900	82,500	--	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<100	<100	<200	<1,000 [<1,000]	--	--	<1,000	<100
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	<5,000	<5,000	--	--
Oxidation Reduction Potential	ORP	--	millivolts	56.1	114.3	48.7	46 [46]	--	--	65.5	--
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	<10	<10	--	--	--	--	<1.18
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	7.41	7.31	--	--
Phosphorus	7723-14-0	--	ug/L	<50	<50	<50	--	18 J	28	--	58
Salinity	SAL	--	%	--	--	--	--	--	--	--	7.8
Silica	7631-86-9	--	ug/L	44,100	44,100	46,800	--	--	--	--	25,500
Silica, Dissolved	7631-86-9D	--	ug/L	41,300	43,700	47,700	--	--	--	--	22,900
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	6,610,000	6,550,000	7,440,000	7,570,000 [7,610,000]	6,640,000	6,420,000	6,650,000	6,660,000
Temperature	TEMP	--	deg c	27.88	17.93	22.1	16.13 [16.13]	--	--	16.08	16.4
Total Kjeldahl Nitrogen	TKN	--	ug/L	5,880	<4,000	<4,000	--	5,320 J	2,800 J	--	<4,000
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	12,100,000	12,000,000	12,000,000	12,200,000 [12,200,000]	12,500,000	12,000,000	10,300,000	12,400,000
Total Organic Carbon	TOC	--	ug/L	2,080	<1,000	320	1,200 [1,100]	652 J	969 J	<1,000	1,070
Turbidity	TURB	--	NTU	2.02	0.69	0.28	1.18 [1.18]	--	--	5.85	--
<b>Pesticides/Herbicides</b>											
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<100
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	<2	<2	--	--	--	--	<1
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	--	<1	<1	--	<0.2
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	<1	<1	--	<1	<1	--	<0.2
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	<4	<4	--	<1	<1	--	<0.2
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	<4	<4	--	<1	<1	--	<0.2
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<100
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<100
4,4-DDT (1,1,1-Trichloro-2,2-bis(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<100
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	<100

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-29 08/03/05	HMW-29 02/10/06	HMW-29 08/16/06	HMW-29 12/20/06	HMW-29 03/10/09	HMW-29 08/20/09	HMW-30 12/19/06	HMW-32 02/05/04	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Alpha-Chlordane	5103-71-9	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Camphchlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	<5	--	--	<1,000	
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<2	<2	--	<1	<1	--	--	<0.2	
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	
Dichlorprop	120-36-5	--	ug/L	--	<4	<4	--	<1	<1	--	--	<0.2	
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	<0.6	<0.6	--	<1	<1	--	--	<0.2	
Endosulfan I	959-98-8	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Endosulfan II	33213-65-9	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Endosulfan Sulfate	1031-07-8	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Endrin Aldehyde	7421-93-4	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Endrin Ketone	53494-70-5	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Gamma-Chlordane	5566-34-7	--	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	<0.5	<0.5	<0.5	--	<0.5	<0.5	--	--	<100	
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	<400	<400	--	<25	<25	--	--	<10	
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	<400	<400	--	--	--	--	--	<10	
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	<25	<25	--	--	--	
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	<5	--	--	<1,000	
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5 [<5]	--	--	<5	--	<5	
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	--	--	<1	--	<5,000	
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	--	--	<1	--	<5,000	
1-Chloronaphthalene	90-13-1	--	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
1-Naphthylamine	134-32-7	--	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	<10	--	<10	<10	--	--	<5,000	
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<20,000	
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	--	<5,000	
2,6-Dichlorophenol	87-65-0	--	ug/L	<10	<10	<10	--	<10	<10	--	--	<5,000	
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	--	<5,000	
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2-Choronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Methyl Pyridine	109-06-8	--	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
2-Nitrophenol	88-75-5	--	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	<5,000	
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	<5	<5	--	--	--	
3-Nitroaniline	99-09-2	--	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	<5	<5	<5	--	<5	<5	--	--	<5,000	

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Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-29 08/03/05	HMW-29 02/10/06	HMW-29 08/16/06	HMW-29 12/20/06	HMW-29 03/10/09	HMW-29 08/20/09	HMW-30 12/19/06	HMW-32 02/05/04
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	<5,000
4-Nitrophenol		100-02-7	--	ug/L	<25	<25	<25	--	<25	<25	--	<5,000
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Acenaphthylene		208-96-8	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	<25	--	<25	<25	--	<15,000
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<20,000
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	<5	<5	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5,000
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<50	<5	<5	--	3.31 J	<5	--	<10,000
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	<10	--	<10	<10	--	<5,000
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Dibenzofuran		132-64-9	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Diphenylhydrazine		38622-18-3	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5 [<5]	--	--	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	--
m-Dichlorobenzene		541-73-1	--	ug/L	<1	<1	<1	<1 [<1]	--	--	<1	<5,000
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5 [<5]	--	--	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5,000
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
p-Chloroaniline		106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Pentachlorobenzene		608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Pentachloronitrobenzene		82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Pentachlorophenol		87-86-5	1 {EPA_MCL_GW}	ug/L	<10	<10	<10	--	<10	<10	--	<5,000
Phenacetin		62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Phenanthrene		85-01-8	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-29 08/03/05	HMW-29 02/10/06	HMW-29 08/16/06	HMW-29 12/20/06	HMW-29 03/10/09	HMW-29 08/20/09	HMW-30 12/19/06	HMW-32 02/05/04
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	<5	--	<5,000
<b>Total Petroleum Hydrocarbons</b>											
Diesel Range Organics	DRO	--	ug/L	<50,000	<50,000	<5,000	<5,000 [<5,000]	<5,000	<5,000	<5,000	<50,000
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100	<100 [<100]	<200	<200	<100	<100
<b>Volatile Organic Compounds</b>											
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<2	<2	<5	<5 [<5]	<5	<5	<5	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	<5 [<5]	--	--	--	<5	--
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	<1	<1	--	--
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10 [<10]	<10	<10	<10	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<1	<1	<5	<5 [<5]	<5	<5	<5	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Cymene	99-87-6	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<5
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Iodomethane	74-88-4	--	ug/L	<5	<5	<5	<5 [<5]	<5	<5	<5	<5
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	--	--	<5 [<5]	--	--	<5	--
Isopropylbenzene (Cumene)	98-82-8	679 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
m,p-Xylene (m-Xylene)	108-38-3	620 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-29 08/03/05	HMW-29 02/10/06	HMW-29 08/16/06	HMW-29 12/20/06	HMW-29 03/10/09	HMW-29 08/20/09	HMW-30 12/19/06	HMW-32 02/05/04
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<1	<1	<5	<5 [<5]	<5	<5	<5	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1	<1	<1 [<1]	--	--	<1	<1
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	--	--	--	<5 [<5]	--	--	<5	--
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10 [<10]	<10	<10	<10	<10
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1 [<1]	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-32 07/19/04	HMW-32 03/24/05	HMW-32 08/04/05	HMW-32 02/13/06	HMW-32 08/21/06	HMW-32 02/19/06	HMW-32 12/19/06	HMW-32 08/24/07	HMW-32 03/25/09	HMW-32 08/21/09
<b>Explosives</b>													
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	--	--	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	--	--	--	--	--	<0.5	<0.5	<0.5
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	--	--	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	0.34 J	<0.5	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
<b>Metals</b>													
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	<100	<30	2,270	<30	<30	--	--	78	92	
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<50	<20	<20	
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<10	<10	<5	<5	<10	<10	<5	<10	<10	
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<100	25	14	<10	17	<10	15	13	15	
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5	13	<2.5	<2.5	<2.5	--	<2.5	<2	<2	
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	1,630	1,310	1,070	946	1,220	--	--	--	--	
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<5	<5	<1	<1	<1	<1	<2	<2	<2	
Calcium Metal	7440-70-2	--	ug/L	--	--	--	426,000	464,000	--	--	150,000	473,000	
Chromium	7440-47-3	50 {NMED_GW}	ug/L	<10	36	<10	<5	<5	<5	18	49	19	
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	<10	<10	<10	--	--	--	--	24	32.1	
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<20	<20	<5	<5	<5	<5	<5	<2	<2	
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	117	49	52	18	5	--	<5	17	<5	
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	<50	<10	<10	<10	15	--	--	134	<10	
Lead	7439-92-1	50 {NMED_GW}	ug/L	<10	<10	<5	<5	<5	<5	<10	<5	<5	
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	643	400	--	--	--	--	
Magnesium	7439-95-4	--	ug/L	--	--	--	281,000	326,000	--	--	300,000	384,000	
Manganese	7439-96-5	200 {NMED_GW}	ug/L	<25	<25	<25	<25	<25	--	--	<2.5	0.8 J	
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	147	214	138	120	146	--	--	154	140	
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	<25	<25	<10	<5	<5	--	<5	14	<5	
Potassium	7440-09-7	--	ug/L	--	--	--	102,000	50,400	--	--	30,600	55,400	
Selenium	7782-49-2	50 {NMED_GW}	ug/L	<50	172	<10	<10	48	<10	<20	44	38	
Silver	7440-22-4	50 {NMED_GW}	ug/L	<12.5	<2	<2	<2	<2	<2	<5	<5	<5	
Sodium	7440-23-5	--	ug/L	--	--	--	2,000,000	2,590,000	--	--	368,000	2,800,000	
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	9,250	11,800	5,820	6,360	13,400	--	--	--	--	
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<50	<50	<50	
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	232	<25	<25	<25	<25	<25	--	--	
Total Cyanide	57-12-5T	--	ug/L	--	<10	--	<10	--	--	<10	--	--	
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	<25	<25	<5	<5	6	--	9	6	7	
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<25	<5	<5	17	23	<5	11	4 J	<5	
<b>Metals-Dissolved</b>													
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	<50	<50	1,200	<30	<30	--	--	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	<10	<10	<5	<5	<5	<5	--	--	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	<100	18	10	<10	12	<10	--	--	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	1,600	1,180	1,200	945	893	--	--	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	<5	<1	<1	<1	<1	<1	--	--	--	--
Calcium, Dissolved	7440-70-2D	--	ug/L	384,000	504,000	492,000	455,000	441,000	--	--	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	<10	25	<5	<5</						

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-32 07/19/04	HMW-32 03/24/05	HMW-32 08/04/05	HMW-32 02/13/06	HMW-32 08/21/06	HMW-32 12/19/06	HMW-32 08/24/07	HMW-32 03/25/09	HMW-32 08/21/09
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	459	585	520	643	151	--	--	--	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	455,000	308,000	364,000	290,000	326,000	--	--	--	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	<25	<25	<25	<25	<25	--	--	--	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	142	151	120	117	105	--	--	--	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	<25	<25	<5	<5	<5	--	--	--	--
Potassium, Dissolved	7440-09-7D	--	ug/L	61,600	92,400	98,200	105,000	109,000	--	--	--	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	<50	82	<10	<10	<10	<10	--	--	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<13	<13	<2	<2	<2	--	--	--	--
Sodium, Dissolved	7440-23-5D	--	ug/L	1,860,000	2,100,000	2,680,000	2,170,000	2,190,000	--	--	--	--
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	8,170	10,500	5,520	6,000	5,170	--	--	--	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25	<25	<25	<25	--	--	--	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	<25	<25	<5	<5	<5	--	--	--	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	<25	<25	<5	10	6	<5	--	--	--
<b>Other</b>												
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	105	--	--	--
Alkalinity	ALKN	--	ug/L	162,000	82,000	78,000	60,000	68,000	120,000	86,000	--	--
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	162,000	82,000	78,000	60,000	68,000	120,000	86,000	80,000	82,000
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	80,000	82,000
Ammonia	7664-41-7	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	--	--	--	--
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	588 J	<1,000
Bromide	24959-67-9	--	ug/L	<200	<200	630	640	<200	<1,000	610	<270	<500
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	1,170,000	1,280,000	1,170,000	1,220,000	1,330,000	1,190,000	1,170,000	1,200,000	1,590,000
Conductivity	Cond	--	mS/cm	13.1	14.24	12.91	12.2	12.37	13.17	12.5	--	--
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	<15	<15
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	--	3,370	2,040	1,930	6,670	5,410	2,160	--	--
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<20,000	--	--	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	<200	<200	<200	<200	<200	<1,000	<200	<170	<500
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	28,000	36,600	35,800	25,900	24,200	29,600	--	--	--
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	--	--	--	--	--	29,800	63,200	55,300
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<100	<10	<100	<100	<200	<1,000	--	--	--
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	<5,000	<5,000
Oxidation Reduction Potential	ORP	--	millivolts	--	403	62.1	90.9	49.8	63.1	56.2	--	--
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	<1.18	--	--	<5	<10	--	--	--	--
pH	pH	6-9 {NMED_GW}	pH Units	7.59	--	--	--	--	--	--	7.69	7.58
Phosphorus	7723-14-0	--	ug/L	<50	68	132	<50	68	--	--	13 J	24 J
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--
Silica	7631-86-9	--	ug/L	26,000	16,000	11,900	13,000	18,300	--	--	--	--
Silica, Dissolved	7631-86-9D	--	ug/L	25,800	14,200	10,600	12,800	12,600	--	--	--	--
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	6,380,000	6,040,000	5,750,000	5,520,000	5,990,000	6,990,000	5,950,000	5,260,000	5,970,000
Temperature	TEMP	--	deg c	--	20.12	23.51	20.48	23.27	15.12	23.77	--	--
Total Kjeldahl Nitrogen	TKN	--	ug/L	<4,000	<4,000	<4,000	<4,000	<4,000	--	--	4,760 J	3,080 J
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	11,900,000	10,700,000	11,200,000	11,100,000	9,860,000	11,800,000	11,400,000	11,100,000	10,800,000
Total Organic Carbon	TOC	--	ug/L	<1,000	<1,000	2,240	310	890	1,630	<1,000	756 J	1,010
Turbidity	TURB	--	NTU	--	0.22	0.27	0.49	0.75	0.49	0.95	--	--
<b>Pesticides/Herbicides</b>												
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	<2	<2	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1	<1	--	--	<1	<1
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	<1	<1	--	--	<1	<1
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	<4	<4	--	--	<1	<1
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<4	<4	--	--	<1	<1
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-32 07/19/04	HMW-32 03/24/05	HMW-32 08/04/05	HMW-32 02/13/06	HMW-32 08/21/06	HMW-32 12/19/06	HMW-32 08/24/07	HMW-32 03/25/09	HMW-32 08/21/09	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Alpha-Chlordane	5103-71-9	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Camphchlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	<1,000	<5	<5	<5	<5	--	--	<5	<5	
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	<2	<2	--	--	--	<1	<1	
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	99.4	--	
Dichlorprop	120-36-5	--	ug/L	--	--	--	<4	<4	--	--	<1	<1	
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	<0.6	<0.6	--	--	--	<1	<1	
Endosulfan I	959-98-8	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Endosulfan II	33213-65-9	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Endosulfan Sulfate	1031-07-8	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Endrin Aldehyde	7421-93-4	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Endrin Ketone	53494-70-5	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	0.0606 J	<0.5	
Gamma-Chlordane	5566-34-7	--	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	<100	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<400	<400	--	--	<25	<25	
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<400	<400	--	--	--	--	
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	<25	<25	
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	<1,000	<5	<5	<5	<5	--	--	<5	<5	
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5	--	--	
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<5,000	<1	<1	<1	<1	<1	<1	<1	--	
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<5,000	<1	<1	<1	<1	<1	<1	<1	--	
1-Chloronaphthalene	90-13-1	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
1-Naphthylamine	134-32-7	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5	<10	<10	<10	--	<10	<10	<10	
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<20,000	<5	<5	<5	<5	--	<5	<5	<5	
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	--	--	
2,6-Dichlorophenol	87-65-0	--	ug/L	<5,000	<5	<10	<10	<10	--	<10	<10	<10	
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	--	--	
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Methyl Pyridine	109-06-8	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
2-Nitrophenol	88-75-5	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
3,3-Dichlorobenzididine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--	--	<5	<5	
3-Nitroaniline	99-09-2	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	&lt		

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-32 07/19/04	HMW-32 03/24/05	HMW-32 08/04/05	HMW-32 02/13/06	HMW-32 08/21/06	HMW-32 12/19/06	HMW-32 08/24/07	HMW-32 03/25/09	HMW-32 08/21/09	
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	<5,000	<25	<25	<25	<25	--	<25	<25	<25	<25
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Acenaphthylene		208-96-8	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<15,000	<10	<25	<25	<25	--	<25	<25	<25	<25
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<20,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	<5	<5	<5
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	--	--	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<10,000	<10	<50	<5	<5	--	<5	<5	<5	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<10	<10	<10	--	<10	<10	<10	<10
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Dibenzofuran		132-64-9	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Diphenylhydrazine		38622-18-3	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	--	--	--
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	--	--	--
m-Dichlorobenzene		541-73-1	--	ug/L	<5,000	<1	<1	<1	<1	--	<1	<1	--	--
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	<5	--	--	--
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<0.5	--	--	--
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L</										

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-32 07/19/04	HMW-32 03/24/05	HMW-32 08/04/05	HMW-32 02/13/06	HMW-32 08/21/06	HMW-32 12/19/06	HMW-32 08/24/07	HMW-32 03/25/09	HMW-32 08/21/09	
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5	<5	<5	<5	--	<5	<5	<5	<5
<b>Total Petroleum Hydrocarbons</b>													
Diesel Range Organics	DRO	--	ug/L	<50,000	<50,000	<50,000	<50,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<200	<200
<b>Volatile Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<2	<2	<2	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	101	--	--	--
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	--	--	--	--	<1	<1
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<1	<1	<1	<1	<5	<5	<5	<5	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cymene	99-87-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane (Methylene Chloride)	75-09-												

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-32 07/19/04	HMW-32 03/24/05	HMW-32 08/04/05	HMW-32 02/13/06	HMW-32 08/21/06	HMW-32 12/19/06	HMW-32 08/24/07	HMW-32 03/25/09	HMW-32 08/21/09
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<1	<1	<1	<5	<5	<5	<5	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1	<1	<1	<1	<1	<1	--	--
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	--	--	--	--	--	<5	--	--	--
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethylene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 02/04/04	HMW-34 07/01/04	HMW-34 03/23/05	HMW-34 08/02/05	HMW-34 02/09/06	HMW-34 08/15/06	HMW-34 12/27/06	HMW-34 08/23/07	HMW-34 04/15/08
<b>Explosives</b>												
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	<0.5	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	<0.5	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5
<b>Metals</b>												
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	2,700	<100	778	<30	<30	<30	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<50	<20	
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<10	<5	<10	<5	<5	<10	<10	<5	<5
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<100	23	125	14	20	14	14	17	13
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5	<2.5	119	<2.5	4	<2.5	--	<2.5	<2
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	1,790	1,790	1,710	1,550	1,480	1,510	--	--	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<5	<1	<5	<1	<1	<1	<1	<2	<1
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	427,000	483,000	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	<10	<5	<10	<10	<5	<10	<5	<5	<1
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	46	<10	<10	<10	--	--	--	--	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<20	<5	287	<5	<5	<5	--	<5	<2
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	<12.5	10	497	32	<5	12	--	<5	<5
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	1,720	<50	362	<10	<10	252	--	--	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	<10	<10	<10	<5	<5	<5	<5	<10	<5
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	763	375	--	--	--
Magnesium	7439-95-4	--	ug/L	--	--	--	--	520,000	548,000	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	<25	<25	<25	<25	<25	<5	--	--	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	167	172	<50	172	154	148	--	--	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	<25	<5	<25	<10	<5	<10	--	<5	<5
Potassium	7440-09-7	--	ug/L	--	--	--	--	97,800	103,000	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	<50	<10	<50	<10	<10	<10	<10	<20	<10
Silver	7440-22-4	50 {NMED_GW}	ug/L	<12.5	<3	<2	<2	<2	<2	<2	<5	<5
Sodium	7440-23-5	--	ug/L	--	--	--	--	1,970,000	1,930,000	--	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	7,550	8,300	10,600	16,000	9,230	16,000	--	--	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<50	<20	
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25	<25	<25	27	<25	--	<25	<25
Total Cyanide	57-12-5T	--	ug/L	<10	--	<10	--	<10	--	--	<10	-
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	31	21	<25	25	<5	19	--	23	20
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<25	<10	<5	<5	15	24	18	17	<7
<b>Metals-Dissolved</b>												
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	<50	<50	<50	<30	<30	<30	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	<10	<5	<10	<5	<5	<5	<5	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	<100	24	19	14	19	16	11	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	<2.5	<2.5	<2.5	<2.5	4	<2.5	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	1,630	1,870	1,700	1,490	1,470	1,590	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	<25	<1	<1	<1	<1	<1	<1	--	--
Calcium, Dissolved	7440-70-2D	--	ug/L	395,000	423,000	415,000	463,000	491,000	430,000	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	<10	<5	<10	<5	<5	<5	<5	--	--
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	<25	<5	<25	<5	<5	<5	<5	--	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	<12.5	<12.5	74	28	<12.5	14	--	--	--
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	<50	<50	19	<10	<10	83</			

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 02/04/04	HMW-34 07/01/04	HMW-34 03/23/05	HMW-34 08/02/05	HMW-34 02/09/06	HMW-34 08/15/06	HMW-34 12/27/06	HMW-34 08/23/07	HMW-34 04/15/08
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	566	1,280	586	601	756	400	--	--	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	461,000	502,000	487,000	550,000	558,000	513,000	--	--	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	<25	28	<25	<25	<5	<5	--	--	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	165	198	<50	166	147	156	--	--	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	<25	<5	<25	<5	<5	12	--	--	--
Potassium, Dissolved	7440-09-7D	--	ug/L	76,600	73,600	82,400	92,200	110,000	98,600	--	--	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	<50	<10	<50	<10	<10	<10	<10	--	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<13	<3	<13	<2	<2	<2	<2	--	--
Sodium, Dissolved	7440-23-5D	--	ug/L	1,940,000	2,100,000	1,970,000	2,450,000	2,080,000	1,950,000	--	--	--
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	7,530	8,790	10,000	13,400	7,750	14,200	--	--	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25	<25	<25	26	<25	--	--	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	25	23	29	52	<5	23	--	--	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	<25	<10	<25	<5	15	74	<5	--	--
<b>Other</b>												
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	--	111	--	--
Alkalinity	ALKN	--	ug/L	218,000	178,000	170,000	174,000	180,000	184,000	174,000	178,000	176,000
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	218,000	178,000	170,000	174,000	180,000	184,000	174,000	178,000	176,000
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	--	--	--
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	<200	<200	<200	<200	<200	<200	<1,000	<200	--
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	810,000	800,000	832,000	843,000	826,000	846,000	828,000	813,000	865,000
Conductivity	Cond	--	mS/cm	12.59	12.4	13.19	12.5	12.3	11.96	12.44	12.2	12
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	4,250	--	4,510	2,650	3,380	1,560	5,230	2,580	3,400
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<20,000	--	--	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	<200	<200	<200	570	<200	<200	1,150	1,270	1,300
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	14,300	14,500	25,500	14,900	15,000	12,300	15,100	--	--
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	--	--	--	--	--	--	14,700	13,500
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<100	<100	<10	<100	<100	<200	<1,000	--	--
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	--	--	281.6	20.5	91.6	64.5	10.9	61.8	-76.9
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	<1.18	<1.18	--	--	<5	<10	--	--	--
pH	pH	6-9 {NMED_GW}	pH Units	--	7.45	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	131	72	1,260	68	<50	81	--	--	--
Salinity	SAL	--	%	7.2	--	--	--	--	--	--	--	--
Silica	7631-86-9	--	ug/L	41,400	30,000	43,600	24,600	30,000	30,900	--	--	--
Silica, Dissolved	7631-86-9D	--	ug/L	36,600	31,100	29,300	23,900	29,100	32,000	--	--	--
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	6,990,000	6,730,000	6,980,000	6,490,000	6,470,000	6,800,000	7,400,000	6,410,000	7,050,000
Temperature	TEMP	--	deg c	18.7	--	21.3	24.49	19.05	21.92	20.23	22.41	23.09
Total Kjeldahl Nitrogen	TKN	--	ug/L	<4,000	<4,000	<4,000	4,200	<4,000	<4,000	--	--	--
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	11,600,000	11,200,000	11,500,000	11,600,000	11,600,000	11,360,000	11,500,000	12,300,000	10,900,000
Total Organic Carbon	TOC	--	ug/L	<1,000	<1,000	6,690	1,130	<1,000	530	1,040	1,580	<1,000
Turbidity	TURB	--	NTU	--	--	0.36	0.45	0.41	0.38	2.38	1.03	0.54
<b>Pesticides/Herbicides</b>												
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	--	--	--
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	<1	--	--	<2	<2	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	<0.2	--	--	<1	<1	--	--	--	--
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	<0.2	--	--	<1	<1	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	<0.2	--	--	<4	<4	--	--	--	--
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	<0.2	--	--	<4	<4	--	--	--	--
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	--	--	--
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	--	--	--
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	--	--	--
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	--	--	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 02/04/04	HMW-34 07/01/04	HMW-34 03/23/05	HMW-34 08/02/05	HMW-34 02/09/06	HMW-34 08/15/06	HMW-34 12/27/06	HMW-34 08/23/07	HMW-34 04/15/08	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Alpha-Chlordane	5103-71-9	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Camphechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	26.7	<1,000	<5	<5	<5	<5	<5	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.2	--	--	--	<2	<2	<2	--	--	--	--
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	--	--
Dichlorprop	120-36-5	--	ug/L	<0.2	--	--	--	<4	<4	<4	--	--	--	--
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	<0.2	--	--	--	<0.6	<0.6	<0.6	--	--	--	--
Endosulfan I	959-98-8	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Endosulfan II	33213-65-9	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Endosulfan Sulfate	1031-07-8	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Endrin Aldehyde	7421-93-4	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Endrin Ketone	53494-70-5	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Gamma-Chlordane	5566-34-7	--	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	<100	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	<10	--	--	--	<400	<400	<400	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	<10	--	--	--	<400	<400	<400	--	--	--	--
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	<1,000	<1,000	<5	<5	<5	<5	<5	--	--	--	--
<b>Semivolatile Organic Compounds</b>														
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<5,000	<5,000	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<5,000	<5,000	<1	<1	<1	<1	<1	<1	<1	<1	<1
1-Chloronaphthalene	90-13-1	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
1-Naphthylamine	134-32-7	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<10	<10	<10
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<20,000	<20,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2,6-Dichlorophenol	87-65-0	--	ug/L	<5,000	<5,000	<5	<10	<10	<10	<10	--	<10	<10	<10
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Methyl Pyridine	109-06-8	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	<5	--	<5	<5	<5
2-Nitrophenol	88-75-5	--	ug/L</td											

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 02/04/04	HMW-34 07/01/04	HMW-34 03/23/05	HMW-34 08/02/05	HMW-34 02/09/06	HMW-34 08/15/06	HMW-34 12/27/06	HMW-34 08/23/07	HMW-34 04/15/08
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	<5,000	--	<5	--	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	<5,000	<5,000	<25	<25	<25	<25	--	<25	<25
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Acenaphthylene		208-96-8	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<15,000	<15,000	<10	<25	<25	<25	--	<25	<25
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<20,000	<20,000	<5	<5	<5	<5	--	<5	<5
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<10,000	<10,000	<10	<50	<5	<5	--	<5	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<10	<10	<10	--	<10	<10
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Dibenzo furan		132-64-9	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Diphenylhydrazine		38622-18-3	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	--	<5,000	--	<5	<5	<5	--	<5	<5
m-Dichlorobenzene		541-73-1	--	ug/L	<5,000	<1	<1	<1	<1	<1	<1	<1	<1
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5,000	<0.5	<5	<5	<5	<5	--	<0.5	<0.5
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	<5	<5	<5	--	<5	<5
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5,000	<5,000	<5	&lt					

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 02/04/04	HMW-34 07/01/04	HMW-34 03/23/05	HMW-34 08/02/05	HMW-34 02/09/06	HMW-34 08/15/06	HMW-34 12/27/06	HMW-34 08/23/07	HMW-34 04/15/08
Methyl N-Butyl Ketone		591-78-6	--	ug/L	<5	<5	<1	<1	<1	<5	<5	<5	<5
Methylbenzene (Toluene)		108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)		1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene		104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene		103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene		95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		135-9-88	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene (Monomer)		100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol		75-65-0	--	ug/L	--	--	--	--	--	--	<5	--	--
tert-Butylbenzene		98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene		127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene		156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene		10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene		110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)		75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene		79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride		75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 08/19/08	HMW-34 03/11/09	HMW-34 08/19/09	HMW-35 02/05/04	HMW-35 02/05/04	HMW-35 06/29/04	HMW-35 03/24/05	HMW-35 08/02/05	HMW-35 02/10/06	HMW-35 08/16/06
<b>Explosives</b>													
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	--	--	--	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	--	--	<0.5	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<0.5	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	--	--	--	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
<b>Metals</b>													
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	69	104	311	<100	<30	<30	<30	<30	<30
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	<20	<20	<20	--	--	--	--	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<10	11	<10	<10	<5	<10	<5	<5	<5	<10
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	15	12	17	26	11	18	<10	12	11	
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2	<2	<2	<2.5	<2.5	13	<2.5	<2.5	<2.5	<2.5
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	1,350	1,130	1,240	1,030	1,100	1,180	
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<2	<2	<2	<5	<1	<5	<1	<1	<1	<1
Calcium Metal	7440-70-2	--	ug/L	--	370,000	461,000	--	--	--	--	487,000	507,000	
Chromium	7440-47-3	50 {NMED_GW}	ug/L	<5	<5	<5	<10	<5	<10	<5	<10	<5	<10
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	<12.5	<10	<10	<10	<10	<10	--	--	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<2	<2	<2	<20	<5	<20	<5	<5	<5	<5
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	<5	<5	<5	<25	<5	58	86	<5	<5	
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	52	15	95	<50	<10	39	<10	<10	
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<5	<5	<10	<10	<10	<5	<5	<5	
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	715	384	
Magnesium	7439-95-4	--	ug/L	--	437,000	551,000	--	--	--	--	512,000	513,000	
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	3	2 J	<25	<25	<25	<25	<25	<25	<5
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	148	169	315	223	321	257	259	275	
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<25	<5	<25	<10	<5	<10	
Potassium	7440-09-7	--	ug/L	--	52,900	58,700	--	--	--	--	89,300	86,300	
Selenium	7782-49-2	50 {NMED_GW}	ug/L	<20	10 J	<20	<10	<10	286	<10	160	163	
Silver	7440-22-4	50 {NMED_GW}	ug/L	<5	<5	<5	<12.5	<3	<2	<2	<2	<2	
Sodium	7440-23-5	--	ug/L	--	1,940,000	2,400,000	--	--	--	--	1,660,000	1,660,000	
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	15,900	9,040	16,500	17,500	9,240	16,900	
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	<50	<50	<50	--	--	--	--	--	--	
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<100	--	--	<25	<25	230	<25	<25	<25	
Total Cyanide	57-12-5T	--	ug/L	--	--	--	<10	-	<10	--	<10	--	
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	22	20	22	30	23	42	23	<5	21	
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	10	7	<5	<25	16	<5	<5	11	27	
<b>Metals-Dissolved</b>													
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	<50	<50	<50	<30	<30	<30	
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	--	<10	<5	<10	<5	<5	<5	
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	--	<100	15	13.5	<10	12	<10	
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	1,080	1,180	1,170	1,000	1,070	1,210	
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	--	--	--	<25	<1	<1	<1	<1	<1	
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	426,000	464,000	481,000	487,000	518,000		

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**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 08/19/08	HMW-34 03/11/09	HMW-34 08/19/09	HMW-35 02/05/04	HMW-35 06/29/04	HMW-35 03/24/05	HMW-35 08/02/05	HMW-35 02/10/06	HMW-35 08/16/06
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	468	1,140	530	540	715	341
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	427,000	471,000	492,000	517,000	538,000	513,000
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	<25	<25	<25	<25	<5	6
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	229	223	251	252	253	265
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	<25	<5	<25	<5	<5	25
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	64,900	61,400	129,000	88,000	104,000	94,900
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	--	--	<50	<10	186	<10	159	153
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	--	--	--	<13	<3	<13	<2	<2	<2
Sodium, Dissolved	7440-23-5D	--	ug/L	--	--	--	1,720,000	1,820,000	1,810,000	2,160,000	1,930,000	1,840,000
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	8,610	9,870	14,900	16,600	9,160	16,400
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<25	<25	<25	<25	<25	<25
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	<25	14	29	17	<5	21
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	--	--	--	<25	<10	<25	<5	<10	45
<b>Other</b>												
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	--	--	--	--
Alkalinity	ALKN	--	ug/L	174,000	--	--	170,000	170,000	196,000	178,000	174,000	184,000
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	174,000	178,000	178,000	170,000	170,000	196,000	178,000	174,000	184,000
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	178,000	178,000	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	--	--	--	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Ammonia-N	7664-41-7N	--	ug/L	--	896 J	<1,000	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	--	<270	<500	<200	<200	<200	<200	<200	<200
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	803,000	784,000	782,000	892,000	925,000	1,020,000	1,030,000	1,030,000	521,000
Conductivity	Cond	--	mS/cm	12.54	--	--	11.61	11.6	12.8	12	11.8	12.2
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	<15	<15	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	-5.23	--	--	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	-48.16	--	--	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	1,800	--	--	5,600	--	5,590	4,400	6,050	4,490
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	1,290	<170	<500	870	<200	<200	1,840	1,840	<200
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	--	--	--	30,400	23,200	34,000	25,300	24,500	27,200
Nitrate + Nitrite	14797-55-8b	--	ug/L	82,500	30,600	36,800	--	--	--	--	--	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	--	--	--	<100	<100	<10	<100	<100	<200
Oil And Grease	OG-HEM	--	ug/L	--	<5,000	<5,000	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	264.7	--	--	--	--	376.6	93.9	77.1	45
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<1.18	<1.18	--	--	<5	<10
pH	pH	6-9 {NMED_GW}	pH Units	--	7.54	7.49	--	7.48	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	--	80	82	<50	56	<50	<50	<50	<50
Salinity	SAL	--	%	--	--	--	6.6	--	--	--	--	--
Silica	7631-86-9	--	ug/L	--	--	--	57,800	49,400	45,100	36,300	48,000	49,600
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	48,700	49,200	44,700	29,900	46,600	50,000
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	6,450,000	6,230,000	6,340,000	5,740,000	5,500,000	5,890,000	6,370,000	5,980,000	230,000
Temperature	TEMP	--	deg c	21.73	--	--	17.8	--	19.45	25.46	16.83	21.74
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	4,480 J	3,080 J	<4,000	<4,000	5,320	<4,000	<4,000	<4,000
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	11,300,000	11,500,000	11,500,000	10,400,000	10,300,000	10,700,000	10,700,000	11,000,000	19,970,000
Total Organic Carbon	TOC	--	ug/L	--	951 J	<1,000	<1,000	<1,000	2,380	1,160	<1,000	210
Turbidity	TURB	--	NTU	0.78	--	--	--	--	0.15	0.29	0.85	0.33
<b>Pesticides/Herbicides</b>												
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	<1	--	--	--	<2	<2
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	<0.2	--	--	--	<1	<1
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	<1	<1	<0.2	--	--	--	<1	<1
2,4-D (2,4-Dichlorophenoxy)acetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	<1	<1	<0.2	--	--	--	<4	<4
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	<0.2	--	--	--	<4	<4
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	<							

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 08/19/08	HMW-34 03/11/09	HMW-34 08/19/09	HMW-35 02/05/04	HMW-35 06/29/04	HMW-35 03/24/05	HMW-35 08/02/05	HMW-35 02/10/06	HMW-35 08/16/06	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Alpha-Chlordane	5103-71-9	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Campechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	<5	<5	<1,000	<1,000	<5	<5	<5	<5	
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	<0.2	--	--	--	<2	<2	
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	
Dichlorprop	120-36-5	--	ug/L	--	<1	<1	<0.2	--	--	--	<4	<4	
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	<1	<1	<0.2	--	--	--	<0.6	<0.6	
Endosulfan I	959-98-8	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Endosulfan II	33213-65-9	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Endosulfan Sulfate	1031-07-8	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Endrin Aldehyde	7421-93-4	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Endrin Ketone	53494-70-5	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Gamma-Chlordane	5566-34-7	--	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	<100	<100	<0.5	<0.5	<0.5	<0.5	
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	<25	<25	<10	--	--	--	<400	<400	
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<10	--	--	--	<400	<400	
Mecoprop	7085-19-0	--	ug/L	--	<25	<25	--	--	--	--	--	--	
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	<5	<5	<1,000	<1,000	<5	<5	<5	<5	
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	--	--	<5	<5	<5	<5	<5	<5	
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	--	--	<5,000	<1	<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	--	--	<5,000	<1	<1	<1	<1	<1	
1-Chloronaphthalene	90-13-1	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
1-Naphthylamine	134-32-7	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<5,000	<5,000	<5	<10	<10	<10	
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<20,000	<20,000	<5	<5	<5	<5	
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	--	--	<5,000	<5,000	<5	<5	<5	<5	
2,6-Dichlorophenol	87-65-0	--	ug/L	<10	<10	<10	<5,000	<5,000	<5	<10	<10	<10	
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	--	--	<5,000	<5,000	<5	<5	<5	<5	
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Methyl Pyridine	109-06-8	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
2-Nitrophenol	88-75-5	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5	
3-Methylphenol (m-cresol)	108-39												

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 08/19/08	HMW-34 03/11/09	HMW-34 08/19/09	HMW-35 02/05/04	HMW-35 06/29/04	HMW-35 03/24/05	HMW-35 08/02/05	HMW-35 02/10/06	HMW-35 08/16/06
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5,000	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	<25	<25	<25	<5,000	<5,000	<25	<25	<25	<25
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Acenaphthylene		208-96-8	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	<25	<15,000	<15,000	<10	<25	<25	<25
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<20,000	<20,000	<5	<5	<5	<5
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	--	--	<5,000	<5,000	<5	<5	<5	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<5	3.68 J	<5	<10,000	<10,000	<10	<50	<5	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	<10	<5,000	<5,000	<5	<10	<10	<10
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Dibenzo furan		132-64-9	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Diphenylhydrazine		38622-18-3	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	--	--	<5	<5	<5	<5	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	--	--	--	<5,000	<5	<5	<5	<5
m-Dichlorobenzene		541-73-1	--	ug/L	<1	--	--	<5,000	<1	<1	<1	<1	<5
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	--	--	<5	<5	<5	<5	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5	--	--	<5,000	<0.5	<5	<5	<5	<5
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5</		

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 08/19/08	HMW-34 03/11/09	HMW-34 08/19/09	HMW-35 02/05/04	HMW-35 06/29/04	HMW-35 03/24/05	HMW-35 08/02/05	HMW-35 02/10/06	HMW-35 08/16/06
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	<5,000	<5,000	<5	<5	<5	<5
<b>Total Petroleum Hydrocarbons</b>												
Diesel Range Organics	DRO	--	ug/L	<5,000	<5,000	<5,000	<50,000	<50,000	<50,000	<50,000	<50,000	<5,000
Gasoline Range Organics	GRO	--	ug/L	<100	<200	<200	<100	<100	<100	<100	<100	<100
<b>Volatile Organic Compounds</b>												
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<2	<2	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Phenylbutane	135-98-8	--	ug/L	--	<1	<1	--	--	--	--	--	--
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<1	<1	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cymene	99-87-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	--	--	--	--</				

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-34 08/19/08	HMW-34 03/11/09	HMW-34 08/19/09	HMW-35 02/05/04	HMW-35 06/29/04	HMW-35 03/24/05	HMW-35 08/02/05	HMW-35 02/10/06	HMW-35 08/16/06	
Methyl N-Butyl Ketone		591-78-6	--	ug/L	<5	<5	<5	<5	<5	<1	<1	<1	<1	<5
Methylbenzene (Toluene)		108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)		1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene		104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene		103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene		95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		135-9-88	--	ug/L	<1	--	--	<1	<1	<1	<1	<1	<1	<1
Styrene (Monomer)		100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol		75-65-0	--	ug/L	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene		98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene		127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene		156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene		10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene		110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)		75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene		79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride		75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-35 12/27/06	HMW-35 03/10/09	HMW-35 08/19/09	HMW-54 01/12/07	HMW-54 10/02/07	HMW-54 03/31/08	HMW-54 08/11/08	HMW-54 03/03/09	HMW-55 01/11/07	
<b>Explosives</b>														
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	--	--	--	--	<0.5	<0.5	--	--	--	--	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	--	--	--	--	<0.5	<0.5	--	--	--	--	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
m-Dinitrotoluene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	<0.5	<0.5	--	--	--	--	--
<b>Metals</b>														
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	77	112	--	--	--	--	--	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	<20	<20	--	<50	<20	<20	--	--	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<10	<10	<10	--	<5	<5	<10	--	--	--	--
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<10	<5	10	--	<10	6	8	--	--	--	--
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	--	<2	<2	--	<2.5	<2	<2	--	--	--	--
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<2	<2	<1	<2	<1	<2	<2	--	2	--
Calcium Metal	7440-70-2	--	ug/L	--	388,000	488,000	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	<5	33	3 J	<5	<5	<1	5	<5	47	--	--
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	<12.5	<10	--	--	--	--	30	--	--	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	--	<2	<2	--	<5	<2	<2	--	--	--	--
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	<5	<5	--
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	147	25	--	--	--	--	--	--	--	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	--
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	--	424,000	531,000	--	--	--	--	--	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	2 J	1 J	--	--	--	--	--	--	--	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	--	<0.2	<0.2	<0.2	--	--	--	--
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	308	285	--	--	--	--	--	--	--	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	--	15	3 J	--	<5	<5	<5	<5	--	--	--
Potassium	7440-09-7	--	ug/L	--	47,600	51,000	--	--	--	--	--	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	158	205	173	--	59	57	58	--	--	--	--
Silver	7440-22-4	50 {NMED_GW}	ug/L	<2	<5	<5	<2	<5	<5	<5	<5	<2	--	--
Sodium	7440-23-5	--	ug/L	--	1,790,000	2,160,000	3,160,000	--	--	--	--	3,660,000	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	<50	<50	--	<50	<20	<50	--	--	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	<25	<25	<100	--	--	--	--
Total Cyanide	57-12-5T	--	ug/L	--	--	--	--	<10	--	--	--	--	--	--
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	--	18	19	--	23	22	26	--	--	--	--
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<5	6	<5	<5	<10	<7	6	--	<5	--	--
<b>Metals-Dissolved</b>														
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	<5	--	--	--	--	--	--	--	--	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	<10	--	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	<1	--	--	<1	--	--	--	--	--	<1	--
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	<5	34	3	<5	--	--	--	--	<1	42	--
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	--	--	--	<12.5	--	--	--	--	--	<5	--
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	<5	--	--	<5							

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-35 12/27/06	HMW-35 03/10/09	HMW-35 08/19/09	HMW-54 01/12/07	HMW-54 10/02/07	HMW-54 03/31/08	HMW-54 08/11/08	HMW-54 03/03/09	HMW-55 01/11/07	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	<b>147</b>	--	--	--	--	--	--	--	--	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<2	--	--	<2	--	--	--	--	<2	--
Sodium, Dissolved	7440-23-5D	--	ug/L	--	--	--	2,960,000	--	--	--	--	3,380,000	--
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	<5	--	--	<5	--	--	--	--	<5	--
<b>Other</b>													
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	97.8	--	--	114	--	--	--	--	--	114
Alkalinity	ALKN	--	ug/L	174,000	--	--	220,000	216,000	214,000	216,000	--	228,000	--
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	174,000	178,000	178,000	220,000	216,000	214,000	216,000	--	228,000	--
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	178,000	178,000	--	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	--	--	--	<1,000	--	--	--	--	--	--
Ammonia-N	7664-41-7N	--	ug/L	--	784 J	<1,000	--	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	<1,000	<270	<500	<1,000	840	--	--	--	<1,000	--
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	<b>1,020,000</b>	<b>1,080,000</b>	<b>1,040,000</b>	<b>1,940,000</b>	<b>1,730,000</b>	<b>1,600,000</b>	<b>1,770,000</b>	--	<b>2,180,000</b>	--
Conductivity	Cond	--	mS/cm	11.83	--	--	15.16	14.5	14.6	14.91	--	17.06	--
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	<15	<15	--	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	5,600	--	--	3,360	3,190	3,160	4,150	--	3,640	--
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	<20,000	--	--	<20,000	--	--	--	--	<20,000	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	<b>2,970</b>	<170	<500	<b>2,200</b>	<b>2,090</b>	<b>2,040</b>	<b>2,020</b>	--	<b>2,440</b>	--
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	--
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	<b>25,400</b>	--	--	<b>52,800</b>	--	--	--	--	--	--
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	64,700	66,100	--	29,600	<100	293,000	--	56,000	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<1,000	--	--	<1,000	--	--	--	--	--	--
Oil And Grease	OG-HEM	--	ug/L	--	<5,000	<5,000	--	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	9.5	--	--	72.6	97.8	-42.2	0.3	--	77.6	--
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
pH	pH	6-9 {NMED_GW}	pH Units	--	7.58	7.42	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	--	11 J	19.6 J	<50	--	--	--	--	<50	--
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--	--
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	--	--	--	--
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	<b>6,700,000</b>	<b>5,750,000</b>	<b>6,060,000</b>	<b>6,840,000</b>	<b>6,450,000</b>	<b>6,110,000</b>	<b>6,920,000</b>	--	<b>8,040,000</b>	--
Temperature	TEMP	--	deg c	16.76	--	--	18.13	22.98	21.97	21.89	--	19.06	--
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	4,480 J	2,800 J	--	--	--	--	--	--	--
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	<b>10,000,000</b>	<b>11,400,000</b>	<b>10,600,000</b>	<b>13,600,000</b>	<b>12,900,000</b>	<b>13,300,000</b>	<b>13,000,000</b>	--	<b>16,100,000</b>	--
Total Organic Carbon	TOC	--	ug/L	1,240	803 J	<1,000 J	<1,000	<1,000	<1,000	<1,000	--	<1,000	--
Turbidity	TURB	--	NTU	0.66	--	--	7.27	4.21	2.06	4.24	--	1.63	--
<b>Pesticides/Herbicides</b>													
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	<0.5	<0.5	--	--	--	--	--	--	--	--
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	--	--	--	--	--	--	--
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	<1	<1	--	--	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	<1	<1	--	--	--	--	--	--	--
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	--	--	--	--	--	--	--
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--</				

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-35 12/27/06	HMW-35 03/10/09	HMW-35 08/19/09	HMW-54 01/12/07	HMW-54 10/02/07	HMW-54 03/31/08	HMW-54 08/11/08	HMW-54 03/03/09	HMW-55 01/11/07	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Alpha-Chlordane	5103-71-9	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Campechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	<5	<5	--	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<1	<1	--	--	--	--	--	--	--
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	--
Dichlorprop	120-36-5	--	ug/L	--	<1	<1	--	--	--	--	--	--	--
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	<1	<1	--	--	--	--	--	--	--
Endosulfan I	959-98-8	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Endosulfan II	33213-65-9	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Endosulfan Sulfate	1031-07-8	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Endrin Aldehyde	7421-93-4	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Endrin Ketone	53494-70-5	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Gamma-Chlordane	5566-34-7	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	<0.5	<0.5	--	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	<25	<25	--	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Mecoprop	7085-19-0	--	ug/L	--	<25	<25	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	<5	<5	--	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	--	--	<5	<5	<5	<5	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	--	--	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	--	--	<1	<1	<1	<1	<1	<1	<1
1-Chloronaphthalene	90-13-1	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
1-Naphthylamine	134-32-7	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	--	<10	<10	<10	<10	<10	<10	<10	--	<10
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	<5	<5	<5	<5	--	<5
2,6-Dichlorophenol	87-65-0	--	ug/L	--	<10	<10	<10	<10	<10	<10	<10	--	<10
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	--	<5
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	--	--	--	--	--	<5
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Methyl Pyridine	109-06-8	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
2-Nitrophenol	88-75-5	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	<5	<5	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-35 12/27/06	HMW-35 03/10/09	HMW-35 08/19/09	HMW-54 01/12/07	HMW-54 10/02/07	HMW-54 03/31/08	HMW-54 08/11/08	HMW-54 03/03/09	HMW-54 01/11/07	
4-Chloro-3-Methylphenol	59-50-7	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
4-Chlorophenyl Phenyl Ether	7005-72-3	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
4-Dimethylaminoazobenzene	60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
4-Methyl Phenol (p-cresol)	106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	--	ug/L	--	<25	<25	<25	<25	<25	<25	<25	--	<25
7,12-Dimethylbenz(a)Anthracene	57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
a,a-Dimethylphenethylamine	122-09-8	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Acenaphthene	83-32-9	2,190 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Acenaphthylene	208-96-8	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Acetophenone	98-86-2	3,650 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Aniline	62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Anthracene	120-12-7	11,000 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzidine	92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	--	<25	<25	<25	<25	<25	<25	<25	--	<25
Benzo(a)Anthracene	56-55-3	0.921 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzo(a)Pyrene	50-32-8	0.2 {EPA_MCL_GW}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzo(b)Fluoranthene	205-99-2	0.921 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzo(g,h,i)Perylene	191-24-2	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzo(k)Fluoranthene	207-08-9	9.21 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzoic Acid	65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzyl Alcohol	100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Bis (2-Chloroethoxy) Methane	111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))	108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	0.119 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Bis(2-Chloroisopropyl)Ether	39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	--	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	6 {EPA_MCL_GW}	ug/L	--	2 J	<5	<5	<5	<5	<5	<5	--	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<10	<10	<10	<10	<10	<10	<10	--	<10
Dibenz(a,h)Anthracene	53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Dibenz(a,j)Acridine	224-42-0	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Dibenzofuran	132-64-9	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Diethyl Phthalate	84-66-2	29,200 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Dimethyl Phthalate	131-11-3	365,000 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Di-n-Butyl Phthalate	84-74-2	3,650 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Di-n-Octyl Phthalate	117-84-0	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Diphenylamine	122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Diphenylhydrazine	38622-18-3	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Ethyl Methanesulfonate	62-50-0	--	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Fluoranthene	206-44-0	1,460 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Fluorene	86-73-7	1,460 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Hexachloro-1,3-Butadiene	87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	--	--	<5	<5	<5	<5	<5	--	<5
Hexachlorobenzene	118-74-1	1 {EPA_MCL_GW}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Hexachlorocyclopentadiene	77-47-4	50 {EPA_MCL_GW}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Hexachloroethane	67-72-1	36.5 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Indeno(1,2,3-cd)Pyrene	193-39-5	0.921 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
m,p-Cresol	1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	<5	<5	<5	<5	<5	--	<5
m-Dichlorobenzene	541-73-1	--	ug/L	<1	--	--	<1	<1	<1	<1	<1	--	<1
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Methyl Methanesulfonate	66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Naphthalene	91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	--	--	<5	<5	<5	<5	<5	--	<5
Nitrobenzene	98-95-3	14.9 {NMED_Tapwater_09}	ug/L	--	--	--	<5	<0.5	<0.5	<0.5	<0.5	--	<5
N-Nitrosodi-N-Butylamine	924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
N-Nitrosodi-N-Propylamine	621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
N-Nitrosopiperidine	100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
p-Chloroaniline	106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Pentachlorobenzene	608-93-5	29.2 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Pentachloronitrobenzene	82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Pentachlorophenol	87-86-5	1 {EPA_MCL_GW}	ug/L	--	<10	<10	<10	<10	<10	<10	<10	--	<10
Phenacetin	62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5
Phenanthrene	85-01-8	1,100 {NMED_Tapwater_09}	ug/L	--	<5	<5	<5	<5	<5	<5	<5	--	<5

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-35 12/27/06	HMW-35 03/10/09	HMW-35 08/19/09	HMW-54 01/12/07	HMW-54 10/02/07	HMW-54 03/31/08	HMW-54 08/11/08	HMW-54 03/03/09	HMW-55 01/11/07	
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	--	--	<1	<1	<1	<1	--	--	<1
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	<5	--	--	<5	--	--	--	--	--	<5
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	6.31	5.98	6.93	6.57	6.38	34.9	
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-55 10/01/07	HMW-55 03/31/08	HMW-55 08/08/08	HMW-55 03/03/09	HMW-56 01/10/07	HMW-56 04/15/09	HMW-57 04/11/06	HMW-57 04/10/08	HMW-57 09/04/08	HMW-58 12/12/06	
<b>Explosives</b>														
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	0.603	--	--	--	--	--	<0.5	<0.5	--	--
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	--	--	--	--	<0.5	<0.5	--	--
<b>Metals</b>														
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	<50	<20	<20	--	--	--	--	<20	<20	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<5	<5	<10	--	--	--	--	<10	<5	<10	--
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	<10	7	8	--	--	--	--	<10	7	30	--
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2.5	<2	<2	--	--	--	--	<2	<2	--	--
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<2	<1	<2	--	--	--	--	<1	<1	<2	<1
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	51	40	42	42	<5	--	<5	7	<5	<5	<5
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	110	--	--	--	--	--	--	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<5	<2	<2	--	--	--	--	<2	<2	--	--
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	<5	<5	<5	<5	--	--	--	<5	<5	8	14
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	<10	<5	13	--	--	--	<5	<5	<5	<5	<5
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	--	--	--	<0.2	<0.2	<0.2	<0.2	--
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	5	<5	--	--
Potassium	7440-09-7	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	70	60	57	--	--	--	<10	55	51	--	--
Silver	7440-22-4	50 {NMED_GW}	ug/L	<5	<5	<5	--	<2	--	<2	<5	<5	<2	--
Sodium	7440-23-5	--	ug/L	--	--	--	--	--	--	--	2,840,000	--	--	4,330,000
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	<50	<20	<50	--	--	--	--	<20	<50	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<25	<100	--	--	--	--	<25	<100	--	--
Total Cyanide	57-12-5T	--	ug/L	<10	--	--	--	--	--	--	--	--	--	--
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	29	25	29	--	--	--	--	22	28	--	--
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<10	<7	5	--	<5	--	<5	<7	28	362	--
<b>Metals-Dissolved</b>														
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<5	--	--	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	<10	--	--	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	<1	--	--	2	--
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	--	--	--	--	40	<5	--	<5	--	--	<5
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	<12.5	--	--	14	--
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	--	--	--	--	--	--	<5	--	--	<5	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-55 10/01/07	HMW-55 03/31/08	HMW-55 08/08/08	HMW-55 03/03/09	HMW-56 01/10/07	HMW-56 04/15/09	HMW-57 12/11/06	HMW-57 04/10/08	HMW-57 09/04/08	HMW-58 12/12/06	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	--	--	--	--	--	<10	--	--	--	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	--	--	--	--	<2	--	<2	--	--	<2	--
Sodium, Dissolved	7440-23-5D	--	ug/L	--	--	--	--	--	--	2,760,000	--	--	3,900,000	--
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	--	--	--	--	<5	--	<5	--	--	--	348
<b>Other</b>														
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	--	100	--	--	--	101
Alkalinity	ALKN	--	ug/L	222,000	218,000	214,000	--	216,000	--	234,000	228,000	246,000	232,000	
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	222,000	218,000	214,000	--	216,000	--	234,000	228,000	246,000	232,000	
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	--	<1,000	--	<1,000	<1,000	<1,000	<1,000	
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	--	--	--	--	--	--	<1,000	--	--	<1,000	--
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	1,020	--	--	--	<1,000	--	<1,000	--	--	<1,000	
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	<b>2,030,000</b>	<b>1,920,000</b>	<b>1,960,000</b>	--	<b>1,700,000</b>	--	<b>1,930,000</b>	<b>1,870,000</b>	<b>3,040,000</b>	<b>1,920,000</b>	
Conductivity	Cond	--	mS/cm	16.5	16.3	16.76	--	16.1	--	16.19	15.5	16.25	17.84	
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	-5.3	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	-45.91	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	3,060	4,290	4,630	--	850	--	2,060	2,060	1,200	3,080	
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	<20,000	--	--	<20,000	
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	<b>2,580</b>	<b>2,430</b>	<b>2,340</b>	--	<b>1,820</b>	--	<b>1,650</b>	<b>1,730</b>	<b>24,500</b>	<b>2,150</b>	
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	--	<1,000	--	<1,000	<1,000	<1,000	<1,000	
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	--	--	--	--	<b>43,600</b>	--	<b>36,700</b>	--	--	<b>46,700</b>	
Nitrate + Nitrite	14797-55-8b	--	ug/L	39,400	<100	355,000	--	--	--	46,900	32,400	37,300	--	
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	--	--	--	--	<500	--	<1,000	--	--	<1,000	
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	123.4	-27.3	2.4	--	126	--	25	-136.2	-11	14.8	
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--	--	--	--	--	
Phosphorus	7723-14-0	--	ug/L	--	--	--	--	--	--	<50	--	--	52	
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--	--	
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	--	--	--	--	
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	--	--	--	--	
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	<b>7,950,000</b>	<b>7,570,000</b>	<b>7,540,000</b>	--	<b>7,510,000</b>	--	<b>9,670,000</b>	<b>7,380,000</b>	<b>12,800,000</b>	<b>9,780,000</b>	
Temperature	TEMP	--	deg c	23.45	21.19	22.62	--	15.94	--	17.56	18.22	19.95	18.9	
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	<b>14,600,000</b>	<b>15,500,000</b>	<b>15,600,000</b>	--	<b>13,700,000</b>	--	<b>14,500,000</b>	<b>14,600,000</b>	<b>15,100,000</b>	<b>16,000,000</b>	
Total Organic Carbon	TOC	--	ug/L	1,170	<1,000	--	--	--	--	1,090	<1,000	--	1,430	
Turbidity	TURB	--	NTU	1.39	1.2	0.99	--	1.32	--	0.38	0.5	121	1.04	
<b>Pesticides/Herbicides</b>														
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	

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**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-55 10/01/07	HMW-55 03/31/08	HMW-55 08/08/08	HMW-55 03/03/09	HMW-56 01/10/07	HMW-56 04/15/09	HMW-57 04/11/06	HMW-57 04/10/08	HMW-57 09/04/08	HMW-58 12/12/06	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Camphechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	--	--
Dichlorprop	120-36-5	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>														
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	<1	<1
1-Chloronaphthalene	90-13-1	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
1-Naphthylamine	134-32-7	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	<10	--	--	--	--	<10	<10	<10	<10
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2,6-Dichlorophenol	87-65-0	--	ug/L	<10	<10	<10	--	--	--	--	<10	<10	<10	<10
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Methyl Pyridine	109-06-8	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
2-Nitrophenol	88-75-5	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	<5	<5	<5</								

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WSMR-RegAquiifer 0527

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4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	<25	<25	<25	--	--	--	--	<25	<25	<25
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Acenaphthylene		208-96-8	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	<25	--	--	--	--	<25	<25	<25
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	<10	--	--	--	--	<10	<10	<10
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Dibenzofuran		132-64-9	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Diphenylhydrazine		38622-18-3	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
m-Dichlorobenzene		541-73-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	<5	--	--	--	--	<0.5	<5	<5
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
p-Chloroaniline		106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Pentachlorobenzene		608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5
Pentachloronitrobenzene		82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5	<5								

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAQUIFER 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-55 10/01/07	HMW-55 03/31/08	HMW-55 08/08/08	HMW-55 03/03/09	HMW-56 01/10/07	HMW-56 04/15/09	HMW-57 12/11/06	HMW-57 04/10/08	HMW-57 09/04/08	HMW-58 12/12/06	
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	--	--	--	<5	<5	<5	<5
<b>Total Petroleum Hydrocarbons</b>														
Diesel Range Organics	DRO	--	ug/L	<5,000	<5,000	<5,000	--	--	--	--	<5,000	<5,000	<5,000	<5,000
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100	--	--	--	--	<100	<100	<100	<100
<b>Volatile Organic Compounds</b>														
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	--	--	<5	--	<5	--	--	--	<5
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	<1	--	--	--	--	--	--	--
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	--	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	1.07
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Chloroform	67-66-3	100 {NMED_GW}	ug/L	1.06	1.03	1.23	0.95 J	<1	--	<1	<1	<1	<1	<1
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Cymene	99-87-6	--	ug/L	<1	<1	<1								

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-55 10/01/07	HMW-55 03/31/08	HMW-55 08/08/08	HMW-55 03/03/09	HMW-56 01/10/07	HMW-56 04/15/09	HMW-57 04/10/08	HMW-57 12/11/06	HMW-57 09/04/08	HMW-58 12/12/06	
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1	<1	--	<1	--	<1	<1	<1	<1	<1
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Tert-Butyl Alcohol	75-65-0	--	ug/L	--	--	--	--	<5	--	<5	--	--	--	<5
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Tetrachloroethylene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	--	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	38	35.2	35.8	30.4	<1	--	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-58 04/04/08	HMW-58 09/03/08	HMW-59 01/03/07	HMW-59 08/27/07	HMW-59 04/10/08	HMW-59 04/10/08	HMW-60 08/21/08	HMW-60 12/12/06	HMW-60 04/09/08	HMW-60 09/02/08	
<b>Explosives</b>														
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--	--	
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	0.669	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	<0.5	<0.5	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	2.41	1.4	--	<0.5	<0.5	--	--	--	<0.5	<0.5	
<b>Metals</b>														
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	<20	<20	--	<50	<20	<20	--	--	<20	<20	
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	<5	<10	<10	<5	<5	28	<10	<5	<10		
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	8	8	16	11	12	12	14	11	11		
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	<2	<2	--	<2.5	<2	<2	--	<2	<2		
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<2	<1	<2	<1	<2	3	<1	<2		
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	--	--	--	--	--	--	
Chromium	7440-47-3	50 {NMED_GW}	ug/L	5	<5	<5	<5	5	<5	<5	2	<5		
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	<2	<2	--	<5	<2	<2	--	<2	<2		
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	56	14	--	<5	<5	<5	<5	<5	<5		
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--		
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<5	<5	<10	<5	<5	<5	<5	<5		
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--		
Magnesium	7439-95-4	--	ug/L	--	--	--	--	--	--	--	--	--		
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--		
Mercury	7439-97-6	2 {NMED_GW}	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--		
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	20	<5	--	<5	<5	<5	--	<5	<5		
Potassium	7440-09-7	--	ug/L	--	--	--	--	--	--	65,900	--	--		
Selenium	7782-49-2	50 {NMED_GW}	ug/L	53	62	<10	<20	26	<20	<10	26	22		
Silver	7440-22-4	50 {NMED_GW}	ug/L	<5	<5	<2	<5	<5	<5	<2	<5	<5		
Sodium	7440-23-5	--	ug/L	--	--	--	--	--	--	2,920,000	--	--		
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--		
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	<20	<50	--	<50	<20	<50	--	<20	<50		
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	<25	<100	--	<25	<25	<100	--	<25	<100		
Total Cyanide	57-12-5T	--	ug/L	--	--	--	<10	--	--	--	--	--		
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	28	29	--	21	26	24	--	28	27		
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	270	400	<5	<10	<7	<5	<5	<7	9		
<b>Metals-Dissolved</b>														
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--		
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	<5	--	--	--	<5	--	--		
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	14	--	--	--	13	--	--		
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--		
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--		
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	--	--	<1	--	--	--	3	--	--		
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	--	--	--		
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	--	--	<5	--	--	--	<5	--	--		
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--		
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	<12.5	--	--		
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--		
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	--	--	<5	--	--	--	<5	--	--		

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-58 04/04/08	HMW-58 09/03/08	HMW-59 01/03/07	HMW-59 08/27/07	HMW-59 04/10/08	HMW-59 08/21/08	HMW-60 12/12/06	HMW-60 04/09/08	HMW-60 09/02/08	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	--	--	--	
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	--	--	--	64,200	--	--	
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	--	<10	--	--	--	<10	--	--	
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	--	--	<2	--	--	--	<2	--	--	
Sodium, Dissolved	7440-23-5D	--	ug/L	--	--	--	--	--	--	2,910,000	--	--	
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	--	--	<5	--	--	--	<5	--	--	
<b>Other</b>													
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	--	--	--	--	--
Alkalinity	ALKN	--	ug/L	214,000	222,000	204,000	198,000	190,000	200,000	206,000	186,000	188,000	
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	214,000	222,000	204,000	198,000	190,000	200,000	206,000	186,000	188,000	
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--	
Ammonia	7664-41-7	--	ug/L	--	--	--	--	--	--	<1,000	--	--	
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--	
Bromide	24959-67-9	--	ug/L	--	--	<1,000	<200	--	--	<1,000	--	--	
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	1,800,000	3,280,000	896,000	897,000	980,000	867,000	1,180,000	1,260,000	2,010,000	
Conductivity	Cond	--	mS/cm	17.6	18.39	12.73	12.3	12.3	12.9	12.83	12.7	13.41	
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	--	--	--	--	--	
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	--	--	--	--	--	
Dissolved Oxygen	DO	--	ug/L	3,670	4,070	1,130	210	900	450	4,690	5,610	6,610	
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	1,440	22,900	1,340	1,480	1,570	2,290	2,060	1,850	1,880	
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	--	--	9,720	--	--	--	25,700	--	--	
Nitrate + Nitrite	14797-55-8b	--	ug/L	27,600	41,100	--	16,400	<100	18,900	--	21,000	31,600	
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	--	--	<1,000	--	--	--	<1,000	--	--	
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	ORP	--	millivolts	-60.4	1.2	91.7	54.3	-148.9	124.5	1.2	-76.4	-1.1	
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--	--	--	--	
Phosphorus	7723-14-0	--	ug/L	--	--	--	--	--	--	82	--	--	
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--	
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	--	--	--	
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	--	--	--	
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	8,050,000	14,100,000	7,650,000	6,190,000	6,600,000	6,150,000	6,900,000	6,390,000	8,260,000	
Temperature	TEMP	--	deg c	18.02	19.52	18.08	20.97	19.12	21.24	19.43	20.1	21.68	
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	16,700,000	16,700,000	11,500,000	11,100,000	11,700,000	11,600,000	11,600,000	11,800,000	12,000,000	
Total Organic Carbon	TOC	--	ug/L	1,080	--	1,510	1,230	1,320	--	1,140	<1,000	--	
Turbidity	TURB	--	NTU	2.37	3.43	2.05	3.8	2.26	5.49	0.83	2.2	1.52	
<b>Pesticides/Herbicides</b>													
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4-D (2,4-Dichlorophenoxy)acetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-58 04/04/08	HMW-58 09/03/08	HMW-59 01/03/07	HMW-59 08/27/07	HMW-59 04/10/08	HMW-59 08/21/08	HMW-60 12/12/06	HMW-60 04/09/08	HMW-60 09/02/08	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)		319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Alpha-Chlordane		5103-71-9	--	ug/L	--	--	--	--	--	--	--	--	--	--
Beta-BHC		319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Camphechlor (Toxaphene)		8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)		319-86-8	--	ug/L	--	--	--	--	--	--	--	--	--	--
Dicamba		1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Dichloroacetic Acid		79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	--
Dichlorprop		120-36-5	--	ug/L	--	--	--	--	--	--	--	--	--	--
Dieldrin		60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Dinitrobutyl Phenol (Dinoseb)		88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Endosulfan I		959-98-8	--	ug/L	--	--	--	--	--	--	--	--	--	--
Endosulfan II		33213-65-9	--	ug/L	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate		1031-07-8	--	ug/L	--	--	--	--	--	--	--	--	--	--
Endrin		72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Endrin Aldehyde		7421-93-4	--	ug/L	--	--	--	--	--	--	--	--	--	--
Endrin Ketone		53494-70-5	--	ug/L	--	--	--	--	--	--	--	--	--	--
Gamma-Chlordane		5566-34-7	--	ug/L	--	--	--	--	--	--	--	--	--	--
G-BHC (Lindane)		58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Heptachlor		76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide		1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)		94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
MCPP (Mecoprop or methylchlorophenoxypropionic acid )		93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Mecoprop		7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--	--
Technical Chlordane (Chlordane)		12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
<b>Semivolatile Organic Compounds</b>														
1,2,4,5-Tetrachlorobenzene		95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
1,2,4-Trichlorobenzene		120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	<5
1,2-Benzphenanthracene (Chrysene)		218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
1,2-Dichlorobenzene		95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	<1
1,4-Dichlorobenzene		106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	<1
1-Chloronaphthalene		90-13-1	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
1-Methylnaphthalene		90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
1-Naphthylamine		134-32-7	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2,4,5-Trichlorophenol		95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2,4,6-Trichlorophenol		88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	--	<10	<10	<10	--	<10	<10	<10
2,4-Dichlorophenol		120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2,4-Dimethylphenol		105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2,4-Dinitrophenol		51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2,4-Dinitrotoluene		121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2,6-Dichlorophenol		87-65-0	--	ug/L	<10	<10	--	<10	<10	<10	--	<10	<10	<10
2,6-Dinitrotoluene		606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)		111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene (b-)		91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Chlorophenol		95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Methyl Pyridine		109-06-8	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)		534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Methylnaphthalene		91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Methylphenol (o-cresol)		95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Naphthylamine		91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Nitroaniline		88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
2-Nitrophenol		88-75-5	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
3,3-Dichlorobenzidine		91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)		78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
3-Methylchloranthrene		56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
3-Methylphenol (m-cresol)		108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
3-Methylphenol/4-Methylphenol		108-39-4b	--	ug/L	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		99-09-2	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
4-Aminobiphenyl		92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	<5
4-Bromophenyl Phenyl Ether		101-55-3	--	ug/L	<5	<5	--	<5	<5</					

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-58 04/04/08	HMW-58 09/03/08	HMW-59 01/03/07	HMW-59 08/27/07	HMW-59 04/10/08	HMW-59 08/21/08	HMW-60 12/12/06	HMW-60 04/09/08	HMW-60 09/02/08
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	<25	<25	--	<25	<25	<25	--	<25	<25
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Acenaphthylene		208-96-8	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	--	<25	<25	<25	--	<25	<25
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	--	<10	<10	<10	--	<10	<10
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Dibenz(a,j)Acridine		224-42-0	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Dibenzo furan		132-64-9	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Di-n-Octyl Phthalate		117-84-0	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Diphenylhydrazine		38622-18-3	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Ethyl Methanesulfonate		62-50-0	--	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
m-Dichlorobenzene		541-73-1	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<0.5	<5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
p-Chloroaniline		106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Pentachlorobenzene		608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Pentachloronitrobenzene		82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5
Pentachlorophenol		87-86-5	1 {EPA_MCL_GW}	ug/L	<10	<10	--	<10	<10	<10	--	<10	<10

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-58 04/04/08	HMW-58 09/03/08	HMW-59 01/03/07	HMW-59 08/27/07	HMW-59 04/10/08	HMW-59 08/21/08	HMW-60 12/12/06	HMW-60 04/09/08	HMW-60 09/02/08	
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	--	<5	<5	<5	--	<5	<5	
<b>Total Petroleum Hydrocarbons</b>													
Diesel Range Organics	DRO	--	ug/L	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	--	<5,000	<5,000	
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100	<100	<100	<100	--	<100	<100	
<b>Volatile Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	--	--	<5	--	--	--	--	--	--	
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5	<5	<5	--	--	<5	
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	--	--	--	--	--	--	
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Cymene	99-87-6	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
Iodomethane	74-88-4	--	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5	
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	ug/L	--	--	<5	--	--	--	--	--	--	
Isopropylbenzene (Cumene)	98-82-8	679 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1	
m,p-Xylene (m-Xylene)	108-38-3	620 {NMED_GW}	ug/L	<1	&lt								

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-58 04/04/08	HMW-58 09/03/08	HMW-59 01/03/07	HMW-59 08/27/07	HMW-59 04/10/08	HMW-59 08/21/08	HMW-60 12/12/06	HMW-60 04/09/08	HMW-60 09/02/08
Methyl N-Butyl Ketone		591-78-6	--	ug/L	<5	<5	<5	<5	<5	<5	--	<5	<5
Methylbenzene (Toluene)		108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Methyl tertiary butyl ether (MTBE)		1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
n-Butylbenzene		104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
n-Propylbenzene		103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
o-Xylene		95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
sec-Butylbenzene		135-9-88	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Styrene (Monomer)		100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Tert-Butyl Alcohol		75-65-0	--	ug/L	--	--	<5	--	--	--	--	--	--
tert-Butylbenzene		98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Tetrachloroethene		127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Trans-1,2-Dichloroethene		156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Trans-1,3-Dichloropropene		10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Trans-1,4-Dichlorobutene		110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	--	<10	<10
Tribromomethane (Bromoform)		75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Trichloroethylene		79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1
Vinyl Chloride		75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	--	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-60 03/04/09	HMW-61 01/09/07	HMW-61 04/17/08	HMW-61 09/02/08	HMW-61 03/04/09	HMW-62 12/06/06	HMW-62 04/03/08	HMW-62 04/18/08	HMW-62 03/04/09	
<b>Explosives</b>													
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<0.5	--	--	<0.5	--	--	--
<b>Metals</b>													
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	--	<20	<20	--	--	<20	<20	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	--	<10 [<10]	<5	<10	--	--	<5	<10	--	--
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	--	<10 [<10]	7	7	--	--	9	10	--	--
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	--	--	<2	<2	--	--	<2	<2	--	--
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	--	<1 [<1]	<1	<2	--	1	<1	<2	--	--
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	--	564 [540]	578	630	688	24	46	13	77	--
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	--	675	--	--	--	22.4	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	<2	<2	--	--	<2	<2	--	--
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	--	<5 [<5]	<5	12	--	<5	<5	<5	--	--
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	--	<5 [<5]	<5	<5	--	<5	<5	<5	<5	--
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	--	--	--	--	--	--	--	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	--	<0.2 [<0.2]	<0.2	<0.2	--	--	<0.2	<0.2	--	--
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	--	19	<5	--	--
Potassium	7440-09-7	--	ug/L	--	74,700 [74,200]	--	--	--	--	--	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	--	97 [127]	146	155	--	--	54	70	--	--
Silver	7440-22-4	50 {NMED_GW}	ug/L	--	<2 [<2]	<5	<5	--	<2	<5	<5	--	--
Sodium	7440-23-5	--	ug/L	--	3,430,000 [3,490,000]	--	--	--	3,130,000	--	--	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	--	<20	<50	--	--	<20	<50	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	<25	<100	--	--	<25	<100	--	--
Total Cyanide	57-12-5T	--	ug/L	--	--	--	--	--	--	--	--	--	--
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	--	--	18	17	--	--	12	11	--	--
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	--	<5 [<5]	<7	15	--	<5	<7	8	--	--
<b>Metals-Dissolved</b>													
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	<5 [<5]	--	--	--	--	--	--	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	<10 [<10]	--	--	--	--	--	--	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	--	<1 [<1]	--	--	--	--	1	--	--	--
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	--	522 [587]	--	--	634	24	--	--	14	--
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	--	<12.5 [<12.5]	--	--	--	<12.5	--	--	--	--
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	--	<5 [<5]	--	--	--	<5	--	--	--	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-60 03/04/09	HMW-61 01/09/07	HMW-61 04/17/08	HMW-61 09/02/08	HMW-61 03/04/09	HMW-62 12/06/06	HMW-62 04/03/08	HMW-62 08/18/08	HMW-62 03/04/09	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	--	--	--	
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Potassium, Dissolved	7440-09-7D	--	ug/L	--	73,700 [74,000]	--	--	--	--	--	--	--	
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	<10 [141]	--	--	--	--	--	--	--	
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	--	<2 [<2]	--	--	--	<2	--	--	--	
Sodium, Dissolved	7440-23-5D	--	ug/L	--	3,240,000 [3,390,000]	--	--	--	5,300,000	--	--	--	
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	--	<5 [<5]	--	--	--	<5	--	--	--	
<b>Other</b>													
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	--	--	--	--	--	97	--	--	--	--
Alkalinity	ALKN	--	ug/L	--	202,000 [208,000]	212,000	218,000	--	208,000	194,000	202,000	--	
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	--	202,000 [208,000]	212,000	218,000	--	208,000	194,000	202,000	--	
Alkalinity, Carbonate	CO3	--	ug/L	--	<1,000 [<1,000]	<1,000	<1,000	--	<1,000	<1,000	<1,000	--	
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--	
Ammonia	7664-41-7	--	ug/L	--	--	--	--	--	<1,000	--	--	--	
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--	
Bromide	24959-67-9	--	ug/L	--	<1,000 [<1,000]	--	--	--	950	--	--	--	
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	--	3,230,000 [3,590,000]	3,340,000	4,920,000	--	1,790,000	1,760,000	1,810,000	--	
Conductivity	Cond	--	mS/cm	--	18.14 [18.14]	18	19.37	--	13.7	13.6	14.39	--	
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	-4.98	--	--	--	--	-5.71	--	--	-5.64	
Delta D VSMOW	DDVSMOW	--	none	-47.04	--	--	--	--	-49.05	--	--	-47.9	
Dissolved Oxygen	DO	--	ug/L	--	4,090 [4,090]	4,420	5,390	--	2,230	3,510	3,190	--	
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<20,000	--	--	--	
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	--	1,940 [1,780]	1,580	25,100	--	1,920	1,850	1,920	--	
Hydroxide Alkalinity	Calk	--	ug/L	--	<1,000 [<1,000]	<1,000	<1,000	--	<1,000	<1,000	<1,000	--	
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	--	<1,000 [133,000]	--	--	--	32,700	--	--	--	
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	--	94,500	264,000	--	--	29,400	217,000	--	
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	--	<1,000 [<1,000]	--	--	--	<100	--	--	--	
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	ORP	--	millivolts	--	66.5 [66.5]	-68.5	1.7	--	-23.8	-39.3	254	--	
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--	--	--	--	
Phosphorus	7723-14-0	--	ug/L	--	<50 [<50]	--	--	--	<50	--	--	--	
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--	
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	--	--	--	
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	--	--	--	
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	--	7,550,000 [7,790,000]	7,020,000	9,810,000	--	6,530,000	5,810,000	5,770,000	--	
Temperature	TEMP	--	deg c	--	17.54 [17.54]	18.09	20.86	--	16.03	20.51	22.08	--	
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	--	16,200,000 [16,200,000]	16,700,000	16,800,000	--	12,700,000	12,400,000	12,400,000	--	
Total Organic Carbon	TOC	--	ug/L	--	--	1,990	--	--	1,270	1,310	--	--	
Turbidity	TURB	--	NTU	--	0.7 [0.7]	0.69	1.01	--	5.53	1.1	3.26	--	
<b>Pesticides/Herbicides</b>													
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	

(See Notes Page for Qualifiers and Acronyms)

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-60 03/04/09	HMW-61 01/09/07	HMW-61 04/17/08	HMW-61 09/02/08	HMW-61 03/04/09	HMW-62 12/06/06	HMW-62 04/03/08	HMW-62 08/18/08	HMW-62 03/04/09	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--	--	--	--	
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Camphechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--	--	--	--	
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	
Dichloroprop	120-36-5	--	ug/L	--	--	--	--	--	--	--	--	--	
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--	--	--	--	
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--	--	--	--	
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--	--	--	--	
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--	--	--	--	
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--	--	--	--	
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--	--	--	--	
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--	
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	--	
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	--	--	<5	<5	<5	<5	<5	<5	<5	
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	--	
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	
1-Chloronaphthalene	90-13-1	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
1-Naphthylamine	134-32-7	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	--	--	<10	<10	--	<10	<10	<10	<10	
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2,6-Dichlorophenol	87-65-0	--	ug/L	--	--	<10	<10	--	<10	<10	<10	<10	
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	<5	--	--	--	
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Methyl Pyridine	109-06-8	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
2-Nitrophenol	88-75-5	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--	--	--	--	
3-Nitroaniline	99-09-2	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	

(See Notes Page for Qualifiers and Acronyms)

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-60 03/04/09	HMW-61 01/09/07	HMW-61 04/17/08	HMW-61 09/02/08	HMW-61 03/04/09	HMW-62 12/06/06	HMW-62 04/03/08	HMW-62 08/18/08	HMW-62 03/04/09	
4-Chloro-3-Methylphenol		59-50-7	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
4-Chlorophenyl Phenyl Ether		7005-72-3	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
4-Dimethylaminoazobenzene		60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
4-Methyl Phenol (p-cresol)		106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		100-02-7	--	ug/L	--	--	<25	<25	--	<25	<25	<25	<25	--
7,12-Dimethylbenz(a)Anthracene		57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
a,a-Dimethylphenethylamine		122-09-8	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Acenaphthene		83-32-9	2,190 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Acenaphthylene		208-96-8	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Acetophenone		98-86-2	3,650 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Aniline		62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Anthracene		120-12-7	11,000 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzidine		92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	--	--	<25	<25	--	<25	<25	<25	<25	--
Benzo(a)Anthracene		56-55-3	0.921 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzo(a)Pyrene		50-32-8	0.2 {EPA_MCL_GW}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzo(b)Fluoranthene		205-99-2	0.921 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzo(g,h,i)Perylene		191-24-2	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzo(k)Fluoranthene		207-08-9	9.21 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzoic Acid		65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzyl Alcohol		100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)		85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Bis (2-Chloroethoxy) Methane		111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)		108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether		111-44-4	0.119 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Bis(2-Chloroisopropyl)Ether		39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)		117-81-7	6 {EPA_MCL_GW}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Chlorophenols (2,3,4,6-Tetrachlorophenol)		58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	<10	<10	--	<10	<10	<10	<10	--
Dibenz(a,h)Anthracene		53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Dibenz(a,j)Acridine		224-42-0	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Dibenzo furan		132-64-9	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Diethyl Phthalate		84-66-2	29,200 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Dimethyl Phthalate		131-11-3	365,000 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Di-n-Butyl Phthalate		84-74-2	3,650 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Di-n-Octyl Phthalate		117-84-0	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Diphenylamine		122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Diphenylhydrazine		38622-18-3	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Ethyl Methanesulfonate		62-50-0	--	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Fluoranthene		206-44-0	1,460 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Fluorene		86-73-7	1,460 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Hexachloro-1,3-Butadiene		87-68-3	8.62 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Hexachlorobenzene		118-74-1	1 {EPA_MCL_GW}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Hexachlorocyclopentadiene		77-47-4	50 {EPA_MCL_GW}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Hexachloroethane		67-72-1	36.5 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Indeno(1,2,3-cd)Pyrene		193-39-5	0.921 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
m,p-Cresol		1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
m-Dichlorobenzene		541-73-1	--	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Methanamine, N-Methyl-N-Nitroso		62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Methyl Methanesulfonate		66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Naphthalene		91-20-3	1.43 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Nitrobenzene		98-95-3	14.9 {NMED_Tapwater_09}	ug/L	--	--	<0.5	<5	--	<5	<5	<5	<5	--
N-Nitrosodi-N-Butylamine		924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
N-Nitrosodi-N-Propylamine		621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
N-Nitrosopiperidine		100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
p-Chloroaniline		106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Pentachlorobenzene		608-93-5	29.2 {NMED_Tapwater_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<5	--
Pentachloronitrobenzene		82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	--	--	<5	<5	--	<5	<5	<5	<	

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-60 03/04/09	HMW-61 01/09/07	HMW-61 04/17/08	HMW-61 09/02/08	HMW-61 03/04/09	HMW-62 12/06/06	HMW-62 04/03/08	HMW-62 08/18/08	HMW-62 03/04/09	
Methyl N-Butyl Ketone		591-78-6	--	ug/L	--	--	<5	<5	<5	<5	<5	<5	<5	<5
Methylbenzene (Toluene)		108-88-3	750 {NMED_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Methyl tertiary butyl ether (MTBE)		1634-04-4	125 {NMED_Tapwater_09}	ug/L	--	--	1.66	1.34	2.24	<1	<1	<1	<1	<1
n-Butylbenzene		104-51-8	--	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene		103-65-1	--	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene		95-47-6	620 {NMED_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		135-9-88	--	ug/L	--	--	<1	<1	--	<1	<1	<1	<1	--
Styrene (Monomer)		100-42-5	100 {EPA_MCL_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butyl Alcohol		75-65-0	--	ug/L	--	--	--	--	--	<5	--	--	--	--
tert-Butylbenzene		98-06-6	--	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene		127-18-4	5 {EPA_MCL_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene		156-60-5	100 {EPA_MCL_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene		10061-02-6	--	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-Dichlorobutene		110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	--	--	<10	<10	<10	<10	<10	<10	<10	<10
Tribromomethane (Bromoform)		75-25-2	85.1 {NMED_Tapwater_09}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene		79-01-6	5 {EPA_MCL_GW}	ug/L	--	--	108	116	88.5	3.78	3.69	4.41	4.71	
Vinyl Chloride		75-01-4	1 {NMED_GW}	ug/L	--	--	<1	<1	<1	<1	<1	<1	<1	<1

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**

	Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-63 12/12/06	HMW-63 04/04/08	HMW-63 09/03/08	HMW-63 03/05/09	HMW-64 01/09/07	HMW-64 03/05/09	HMW-65 03/05/09	HMW-65 01/11/07	HMW-65 09/04/07	HMW-65 03/06/09
<b>Explosives</b>														
1,3,5-Trinitrobenzene	99-35-4	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
2,4,6-Trinitrotoluene	118-96-7	18.3 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
2,6-DNT / 2,4-DNT (2,6-Dinitrotoluene / 2,4-Dinitrotoluene)	606-20-2b	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
2-Amino-4,6-Dinitrotoluene	35572-78-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitrotoluene	88-72-2	3.05 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
3-Nitrotoluene	99-08-1	730 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
4-Amino-2,6-Dinitrotoluene	19406-51-0	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT (4-Amino-Dinitrotoluene)	1946-51-0	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
4-Amino-DNT / 2-Amino-DNT (4-Amino-Dinitrotoluene / 2-Amino-Dinitrotoluene)	35572-78-2b	--	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
4-Nitrotoluene	99-99-0	42 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
m-Dinitrobenzene	99-65-0	3.7 {EPA_Tapwater_Adj_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2691-41-0	1,830 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
RDX (Cyclotrimethylenetrinitramine)	121-82-4	6.11 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
Tetryl	479-45-8	146 {NMED_Tapwater_09}	ug/L	--	<0.5	<0.5	--	--	--	--	--	<0.5	--	--
<b>Metals</b>														
Aluminum	7429-90-5	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Antimony	7440-36-0	6 {EPA_MCL_GW}	ug/L	--	<20	<20	--	--	--	--	--	<50	--	--
Arsenic	7440-38-2	10 {EPA_MCL_GW}	ug/L	--	<5	<10	--	--	--	--	--	<5	--	--
Barium	7440-39-3	1,000 {NMED_GW}	ug/L	--	6	6	--	--	--	--	--	<10	--	--
Beryllium	7440-41-7	4 {EPA_MCL_GW}	ug/L	--	<2	<2	--	--	--	--	--	<2.5	--	--
Boron	7440-42-8	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium	7440-43-9	5 {EPA_MCL_GW}	ug/L	<1	<1	<2	--	<1	--	3	<2	--	--	--
Calcium Metal	7440-70-2	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Chromium	7440-47-3	50 {NMED_GW}	ug/L	31	11	9	33	<5	<5	<5	<5	<5	<5	<5 [<5]
Chromium (Hexavalent)	Cr6	110 {NMED_Tapwater_09}	ug/L	--	--	--	<12.5	--	<12.5	--	--	--	25 [24]	--
Cobalt	7440-48-4	11 {EPA_Tapwater_Adj_09}	ug/L	--	<2	<2	--	--	--	--	--	<5	--	--
Copper	7440-50-8	1,000 {NMED_GW}	ug/L	<5	<5	10	--	<5	--	<5	--	<5	<5	--
Iron	7439-89-6	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Lead	7439-92-1	50 {NMED_GW}	ug/L	<5	<5	<5	--	<5	--	<5	--	<5	<10	--
Lithium	7439-93-2	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Magnesium	7439-95-4	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Manganese	7439-96-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Mercury	7439-97-6	2 {NMED_GW}	ug/L	--	<0.2	<0.2	--	--	--	--	--	<0.2	--	--
Molybdenum	7439-98-7	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Nickel	7440-02-0	730 {NMED_Tapwater_09}	ug/L	--	<5	<5	--	--	--	--	--	<5	--	--
Potassium	7440-09-7	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	7782-49-2	50 {NMED_GW}	ug/L	--	21	24	--	--	--	--	--	<20	--	--
Silver	7440-22-4	50 {NMED_GW}	ug/L	<2	<5	<5	--	<2	--	<2	--	<5	--	--
Sodium	7440-23-5	--	ug/L	2,550,000	--	--	--	2,950,000	--	3,020,000	--	--	--	--
Strontium	7440-24-6	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Thallium	7440-28-0	2 {EPA_MCL_GW}	ug/L	--	<20	<50	--	--	--	--	--	<50	--	--
Tin	7440-31-5	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	<25	<100	--	--	--	--	--	<25	--	--
Total Cyanide	57-12-5T	--	ug/L	--	--	--	--	--	--	--	--	<10	--	--
Vanadium (Fume Or Dust)	7440-62-2	183 {NMED_Tapwater_09}	ug/L	--	29	28	--	--	--	--	--	26	--	--
Zinc	7440-66-6	10,000 {NMED_GW}	ug/L	<5	<7	9	--	<5	--	<5	--	24	--	--
<b>Metals-Dissolved</b>														
Aluminum, Dissolved	7429-90-5D	36,500 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Arsenic, Dissolved	7440-38-2D	10 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Barium, Dissolved	7440-39-3D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Beryllium, Dissolved	7440-41-7D	4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Boron, Dissolved	7440-42-8D	7,300 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium, Dissolved	7440-43-9D	5 {EPA_MCL_GW}	ug/L	3	--	--	--	<1	--	<1	--	--	--	--
Calcium, Dissolved	7440-70-2D	--	ug/L	--	--	--	--	--	--	--	--	--	--	--
Chromium, Dissolved	7440-47-3D	50 {NMED_GW}	ug/L	22	--	--	12	<5	<1	<5	--	<1 [<1]	--	--
Cobalt, Dissolved	7440-48-4D	11 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Copper, Dissolved	7440-50-8D	1,000 {NMED_GW}	ug/L	<12.5	--	--	--	<12.5	--	<5	--	--	--	--
Iron, Dissolved	7439-89-6D	1,000 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--	--
Lead, Dissolved	7439-92-1D	50 {NMED_GW}	ug/L	<5	--	--	--	<5	--	<5	--	--	--	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-63 12/12/06	HMW-63 04/04/08	HMW-63 09/03/08	HMW-63 03/05/09	HMW-64 01/09/07	HMW-64 03/05/09	HMW-65 01/11/07	HMW-65 09/04/07	HMW-65 03/06/09	
Lithium, Dissolved	7439-93-2D	73 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Magnesium, Dissolved	7439-95-4D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Manganese, Dissolved	7439-96-5D	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Molybdenum, Dissolved	7439-98-7D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Nickel, Dissolved	7440-02-0D	730 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Potassium, Dissolved	7440-09-7D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Selenium, Dissolved	7782-49-2D	50 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Silver, Dissolved	7440-22-4D	50 {NMED_GW}	ug/L	<2	--	--	--	<2	--	<2	--	--	--
Sodium, Dissolved	7440-23-5D	--	ug/L	2,460,000	--	--	--	3,090,000	--	2,720,000	--	--	--
Strontium, Dissolved	7440-24-6D	21,900 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Tin, Dissolved	7440-31-5D	22,000 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Vanadium, Dissolved	7440-62-2D	183 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Zinc, Dissolved	7440-66-6D	10,000 {NMED_GW}	ug/L	<5	--	--	--	<5	--	<5	--	--	--
<b>Other</b>													
2-Methyl-1-Propanol (Isobutanol)	78-83-1	{NMED_Tapwater_09}	%	99.7	--	--	--	114	--	114	--	--	--
Alkalinity	ALKN	--	ug/L	194,000	192,000	202,000	--	218,000	--	210,000	216,000	--	--
Alkalinity, Bicarbonate	ALKBicarb	--	ug/L	194,000	192,000	202,000	--	218,000	--	210,000	216,000	--	--
Alkalinity, Carbonate	CO3	--	ug/L	<1,000	<1,000	<1,000	--	<1,000	--	<1,000	<1,000	--	--
Alkalinity, Total (As calcium carbonate)	ALK	--	ug/L	--	--	--	--	--	--	--	--	--	--
Ammonia	7664-41-7	--	ug/L	<1,000	--	--	--	<1,000	--	<1,000	--	--	--
Ammonia-N	7664-41-7N	--	ug/L	--	--	--	--	--	--	--	--	--	--
Bromide	24959-67-9	--	ug/L	<1,000	--	--	--	1,550	--	<1,000	740	--	--
Chloride (Cl)	16887-00-6	250,000 {NMED_GW}	ug/L	931,000	836,000	2,010,000	--	1,430,000	--	1,620,000	1,520,000	--	--
Conductivity	Cond	--	mS/cm	12.46	12.1	13.18	--	14.27	--	14.22	13	--	--
Cyanide	57-12-5	200 {NMED_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
Delta 18O VSMOW (Vienna Standard Mean Ocean Water)	W	--	none	--	--	--	--	-5.19	--	--	--	--	--
Delta D VSMOW	DDVSMOW	--	none	--	--	--	--	-47.87	--	--	--	--	--
Dissolved Oxygen	DO	--	ug/L	3,090	2,330	2,180	--	1,680	--	2,530	1,110	--	--
Ethylene Glycol	107-21-1	73,000 {EPA_Tapwater_Adj_09}	ug/L	<20,000	--	--	--	<20,000	--	<20,000	--	--	--
Fluoride	16984-48-8	1,600 {NMED_GW}	ug/L	2,040	1,810	15,500	--	2,470	--	2,070	1,940	--	--
Hydroxide Alkalinity	Calk	--	ug/L	<1,000	<1,000	<1,000	--	<1,000	--	<1,000	<1,000	--	--
Nitrate	14797-55-8	10,000 {NMED_GW}	ug/L	21,100	--	--	--	44,800	--	--	--	--	--
Nitrate + Nitrite	14797-55-8b	--	ug/L	--	16,600	26,400	--	--	--	44,500	46,600	--	--
Nitrite	14797-65-0	1,000 {EPA_MCL_GW}	ug/L	<1,000	--	--	--	<1,000	--	--	--	--	--
Oil And Grease	OG-HEM	--	ug/L	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	ORP	--	millivolts	80	-59.3	-1.6	--	54.6	--	91.1	54.1	--	--
Perchlorate	14797-73-0	26 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
pH	pH	6-9 {NMED_GW}	pH Units	--	--	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	ug/L	<50	--	--	--	<50	--	52	--	--	--
Salinity	SAL	--	%	--	--	--	--	--	--	--	--	--	--
Silica	7631-86-9	--	ug/L	--	--	--	--	--	--	--	--	--	--
Silica, Dissolved	7631-86-9D	--	ug/L	--	--	--	--	--	--	--	--	--	--
Sulfate	14808-79-8	600,000 {NMED_GW}	ug/L	7,970,000	5,750,000	11,000,000	--	7,030,000	--	6,560,000	6,160,000	--	--
Temperature	TEMP	--	deg c	15.22	20.6	21.12	--	17.95	--	18.73	22.06	--	--
Total Kjeldahl Nitrogen	TKN	--	ug/L	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	TDS	1,000,000 {NMED_GW}	ug/L	11,800,000	11,700,000	11,900,000	--	12,800,000	--	13,300,000	12,000,000	--	--
Total Organic Carbon	TOC	--	ug/L	<1,000	<1,000	--	--	<1,000	--	<1,000	1,190	--	--
Turbidity	TURB	--	NTU	0.16	1.93	3.09	--	1.47	--	1.22	2.49	--	--
<b>Pesticides/Herbicides</b>													
1,1,1-Trichloro-2,2-bis (P-Methoxyphenyl)-Ethane (Methoxychlor)	72-43-5	40 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropionic Acid (Dalapon)	75-99-0	200 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
2,4,5-T (2,4,5-Trichlorophenoxyacetic Acid)	93-76-5	370 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)	93-72-1	50 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	70 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	--
2,4-DB (2,4-(Dichlorophenoxy)butyric acid)	94-82-6	290 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4,4-DDD (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethane (DDD)	72-54-8	2.8 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4,4-DDE (1,1-Dichloro-2,2-bis(4'-chlorophenyl)ethylene (DDE)	72-55-9	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
4,4-DDT (1,1,1-Trichloro-2,2-bis-(4'-chlorophenyl)ethane (DDT)	50-29-3	1.98 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--
Aldrin	309-00-2	0.039 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	--

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquiifer 0527**

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-63 12/12/06	HMW-63 04/04/08	HMW-63 09/03/08	HMW-63 03/05/09	HMW-64 01/09/07	HMW-64 03/05/09	HMW-65 03/11/07	HMW-65 09/04/07	HMW-65 03/06/09	
Alpha-BHC (1a,2b,3a,4b,5a,6b-Hexachlorocyclohexane)	319-84-6	0.107 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Alpha-Chlordane	5103-71-9	--	ug/L	--	--	--	--	--	--	--	--	--	
Beta-BHC	319-85-7	0.373 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Campechlor (Toxaphene)	8001-35-2	3 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
D-BHC (1a,2a,3b,4a,5b,6b-Hexachlorocyclohexane)	319-86-8	--	ug/L	--	--	--	--	--	--	--	--	--	
Dicamba	1918-00-9	1,100 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Dichloroacetic Acid	79-43-6	{EPA_Tapwater_Adj_09}	%	--	--	--	--	--	--	--	--	--	
Dichloroprop	120-36-5	--	ug/L	--	--	--	--	--	--	--	--	--	
Dieldrin	60-57-1	0.042 {NMED_Tapwater_09}	ug/L	--	--	--	--	--	--	--	--	--	
Dinitrobutyl Phenol (Dinoseb)	88-85-7	7 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Endosulfan I	959-98-8	--	ug/L	--	--	--	--	--	--	--	--	--	
Endosulfan II	33213-65-9	--	ug/L	--	--	--	--	--	--	--	--	--	
Endosulfan Sulfate	1031-07-8	--	ug/L	--	--	--	--	--	--	--	--	--	
Endrin	72-20-8	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Endrin Aldehyde	7421-93-4	--	ug/L	--	--	--	--	--	--	--	--	--	
Endrin Ketone	53494-70-5	--	ug/L	--	--	--	--	--	--	--	--	--	
Gamma-Chlordane	5566-34-7	--	ug/L	--	--	--	--	--	--	--	--	--	
G-BHC (Lindane)	58-89-9	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Heptachlor	76-44-8	0.4 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
Heptachlor Epoxide	1024-57-3	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
MCPP (2-Methyl-4-Chlorophenoxyacetic Acid)	94-74-6	18 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
MCPP (Mecoprop or methylchlorophenoxypropionic acid )	93-65-2	37 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
Mecoprop	7085-19-0	--	ug/L	--	--	--	--	--	--	--	--	--	
Technical Chlordane (Chlordane)	12789-03-6	2 {EPA_MCL_GW}	ug/L	--	--	--	--	--	--	--	--	--	
<b>Semivolatile Organic Compounds</b>													
1,2,4,5-Tetrachlorobenzene	95-94-3	11 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
1,2,4-Trichlorobenzene	120-82-1	70 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
1,2-Benzphenanthracene (Chrysene)	218-01-9	92.1 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
1,2-Dichlorobenzene	95-50-1	600 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,4-Dichlorobenzene	106-46-7	75 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1-Chloronaphthalene	90-13-1	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
1-Methylnaphthalene	90-12-0	23 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
1-Naphthylamine	134-32-7	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2,4,5-Trichlorophenol	95-95-4	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2,4,6-Trichlorophenol	88-06-2	36.5 {NMED_Tapwater_09}	ug/L	<10	<10	<10	--	<10	--	<10	<10	--	
2,4-Dichlorophenol	120-83-2	110 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2,4-Dimethylphenol	105-67-9	730 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2,4-Dinitrophenol	51-28-5	73 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2,4-Dinitrotoluene	121-14-2	2.17 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2,6-Dichlorophenol	87-65-0	--	ug/L	<10	<10	<10	--	<10	--	<10	<10	--	
2,6-Dinitrotoluene	606-20-2	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	18,000 {EPA_Tapwater_Adj_09}	ug/L	<5	--	--	--	<5	--	<5	--	--	
2-Chloronaphthalene (b-)	91-58-7	2,920 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Chlorophenol	95-57-8	183 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Methyl Pyridine	109-06-8	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	3.65 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Methylnaphthalene	91-57-6	150 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Methylphenol (o-cresol)	95-48-7	1,800 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Naphthylamine	91-59-8	0.37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Nitroaniline	88-74-4	370 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
2-Nitrophenol	88-75-5	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
3,3-Dichlorobenzidine	91-94-1	1.4 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	707 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
3-Methylchloranthrene	56-49-5	0.031 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
3-Methylphenol (m-cresol)	108-39-4	1,800 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--	
3-Methylphenol/4-Methylphenol	108-39-4b	--	ug/L	--	--	--	--	--	--	--	--	--	
3-Nitroaniline	99-09-2	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
4-Aminobiphenyl	92-67-1	0.032 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
4-Bromophenyl Phenyl Ether	101-55-3	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	

(See Notes Page for Qualifiers and Acronyms)

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-63 12/12/06	HMW-63 04/04/08	HMW-63 09/03/08	HMW-63 03/05/09	HMW-64 01/09/07	HMW-64 03/05/09	HMW-65 01/11/07	HMW-65 09/04/07	HMW-65 03/06/09
4-Chloro-3-Methylphenol	59-50-7	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
4-Chlorophenyl Phenyl Ether	7005-72-3	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
4-Dimethylaminoazobenzene	60-11-7	0.15 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
4-Methyl Phenol (p-cresol)	106-44-5	180 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	--	ug/L	<25	<25	<25	--	<25	--	<25	<25	--
7,12-Dimethylbenz(a)Anthracene	57-97-6	0.0027 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
a,a-Dimethylphenethylamine	122-09-8	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Acenaphthene	83-32-9	2,190 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Acenaphthylene	208-96-8	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Acetophenone	98-86-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Aniline	62-53-3	120 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Anthracene	120-12-7	11,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzidine	92-87-5	0.00292 {NMED_Tapwater_09}	ug/L	<25	<25	<25	--	<25	--	<25	<25	--
Benzo(a)Anthracene	56-55-3	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzo(a)Pyrene	50-32-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzo(b)Fluoranthene	205-99-2	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzo(g,h,i)Perylene	191-24-2	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzo(k)Fluoranthene	207-08-9	9.21 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzoic Acid	65-85-0	150,000 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzyl Alcohol	100-51-6	3,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	350 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Bis (2-Chloroethoxy) Methane	111-91-1	110 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)	108-60-1	3.2 {EPA_Tapwater_Adj_09}	ug/L	--	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	0.119 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Bis(2-Chloroisopropyl)Ether	39638-32-9	9.6 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	6 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,100 {EPA_Tapwater_Adj_09}	ug/L	<10	<10	<10	--	<10	--	<10	<10	--
Dibenz(a,h)Anthracene	53-70-3	0.0921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Dibenz(a,j)Acridine	224-42-0	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Dibenzofuran	132-64-9	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Diethyl Phthalate	84-66-2	29,200 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Dimethyl Phthalate	131-11-3	365,000 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Di-n-Butyl Phthalate	84-74-2	3,650 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Di-n-Octyl Phthalate	117-84-0	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Diphenylamine	122-39-4	910 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Diphenylhydrazine	38622-18-3	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Ethyl Methanesulfonate	62-50-0	--	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Fluoranthenone	206-44-0	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Fluorene	86-73-7	1,460 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Hexachloro-1,3-Butadiene	87-68-3	8.62 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]
Hexachlorobenzene	118-74-1	1 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Hexachlorocyclopentadiene	77-47-4	50 {EPA_MCL_GW}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Hexachloroethane	67-72-1	36.5 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Indeno(1,2,3-cd)Pyrene	193-39-5	0.921 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
m,p-Cresol	1319-77-3	930 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
m-Dichlorobenzene	541-73-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.0132 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Methyl Methanesulfonate	66-27-3	6.8 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Naphthalene	91-20-3	1.43 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]
Nitrobenzene	98-95-3	14.9 {NMED_Tapwater_09}	ug/L	<5	<0.5	<5	--	<5	--	<5	<0.5	--
N-Nitrosodi-N-Butylamine	924-16-3	0.0244 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
N-Nitrosodi-N-Propylamine	621-64-7	0.096 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
N-Nitrosopiperidine	100-75-4	0.072 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
p-Chloroaniline	106-47-8	3.4 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Pentachlorobenzene	608-93-5	29.2 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Pentachloronitrobenzene	82-68-8	2.6 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Pentachlorophenol	87-86-5	1 {EPA_MCL_GW}	ug/L	<10	<10	<10	--	<10	--	<10	<10	--
Phenacetin	62-44-2	310 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--
Phenanthrene	85-01-8	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquiifer 0527

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-63 12/12/06	HMW-63 04/04/08	HMW-63 09/03/08	HMW-63 03/05/09	HMW-64 01/09/07	HMW-64 03/05/09	HMW-65 01/11/07	HMW-65 09/04/07	HMW-65 03/06/09	
Phenol	108-95-2	5 {NMED_GW}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
p-Nitroaniline	100-01-6	34 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
Propyzamide (Kerb)	23950-58-5	2,700 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
Pyrene	129-00-0	1,100 {NMED_Tapwater_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
Pyridine	110-86-1	37 {EPA_Tapwater_Adj_09}	ug/L	<5	<5	<5	--	<5	--	<5	<5	--	
<b>Total Petroleum Hydrocarbons</b>													
Diesel Range Organics	DRO	--	ug/L	<5,000	<5,000	<5,000	--	<5,000	--	<5,000	<5,000	--	
Gasoline Range Organics	GRO	--	ug/L	<100	<100	<100	--	<100	--	<100	<100	--	
<b>Volatile Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	630-20-6	5.2 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,1,1-Trichloroethane	71-55-6	60 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,1,2,2-Tetrachloroethane	79-34-5	10 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,1,2-Trichloroethane	79-00-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,1-Dichloroethane	75-34-3	25 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,1-Dichloroethylene	75-35-4	5 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,1-Dichloropropene	563-58-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,2,3-Trichlorobenzene	87-61-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
1,2,3-Trichloropropane	96-18-4	0.096 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,2,4-Trimethylbenzene	95-63-6	15 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.2 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.05 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,2-Dichloroethane	107-06-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,2-Dichloropropane	78-87-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,3,5-Trimethylbenzene	108-67-8	370 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,3-Dichloropropane	142-28-9	730 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
1,4-Dioxane	123-91-1	61.1 {NMED_Tapwater_09}	ug/L	<5	--	--	--	<5	--	<5	--	--	
2,2-Dichloropropane	594-20-7	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
2-Butanone	78-93-3	7,060 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
2-Chloroethyl Vinyl Ether	110-75-8	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
2-Chlorotoluene	95-49-8	730 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
2-Phenylbutane	135-98-8	--	ug/L	--	--	--	<1	--	<1	--	--	<1 [<1]	
4-Chlorotoluene	106-43-4	2,600 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
4-Methyl-2-Pentanone(MIBK)	108-10-1	1,990 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
Acetone	67-64-1	21,800 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10 [<10]	
Acrylonitrile	107-13-1	0.454 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Benzene	71-43-2	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Bromobenzene	108-86-1	88 {EPA_Tapwater_Adj_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Bromodichloromethane	75-27-4	1.17 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Bromomethane	74-83-9	8.66 {NMED_Tapwater_09}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
Carbon Disulfide	75-15-0	1,042 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Carbon Tetrachloride	56-23-5	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
CFC-11 (Trichlorofluoromethane)	75-69-4	1,290 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
CFC-12 (Dichlorodifluoromethane)	75-71-8	395 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Chlorobenzene	108-90-7	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Chlorobromomethane	74-97-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Chlorodibromomethane (Dibromochloromethane)	124-48-1	1.47 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Chloroethane (Ethylchloride)	75-00-3	20,800 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Chloroform	67-66-3	100 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Chloromethane	74-87-3	17.8 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
cis-1,2-Dichloroethene	156-59-2	70 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
cis-1,3-Dichloropropene	10061-01-5	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Cymene	99-87-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Dibromomethane (Methylene Dibromide)	74-95-3	365 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Dichloromethane (Methylene Chloride)	75-09-2	5 {EPA_MCL_GW}	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
Ethylbenzene	100-41-4	700 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Iodomethane	74-88-4	--	ug/L	<5	<5	<5	<5	&lt					

Table 6-23  
Summary of GW Sample Analytical Results  
WSMR-RegAquifer 0527

Location ID: Date Collected:	CAS	Comparative Standard	Units	HMW-63 12/12/06	HMW-63 04/04/08	HMW-63 09/03/08	HMW-63 03/05/09	HMW-64 01/09/07	HMW-64 03/05/09	HMW-65 03/11/07	HMW-65 09/04/07	HMW-65 03/06/09	
Methyl N-Butyl Ketone	591-78-6	--	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	
Methylbenzene (Toluene)	108-88-3	750 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Methyl tertiary butyl ether (MTBE)	1634-04-4	125 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
n-Butylbenzene	104-51-8	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
n-Propylbenzene	103-65-1	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
o-Xylene	95-47-6	620 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
sec-Butylbenzene	135-9-88	--	ug/L	<1	<1	<1	--	<1	--	<1	<1	--	
Styrene (Monomer)	100-42-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Tert-Butyl Alcohol	75-65-0	--	ug/L	<5	--	--	--	<5	--	<5	--	--	
tert-Butylbenzene	98-06-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Tetrachloroethene	127-18-4	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Trans-1,2-Dichloroethene	156-60-5	100 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Trans-1,3-Dichloropropene	10061-02-6	--	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Trans-1,4-Dichlorobutene	110-57-6	0.0187 {NMED_Tapwater_09}	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10 [<10]	
Tribromomethane (Bromoform)	75-25-2	85.1 {NMED_Tapwater_09}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	
Trichloroethylene	79-01-6	5 {EPA_MCL_GW}	ug/L	<1	<1	<1	<1	<1	9.25	7.85	<1	<1	<1 [<1]
Vinyl Chloride	75-01-4	1 {NMED_GW}	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]

**Table 6-23**  
**Summary of GW Sample Analytical Results**  
**WSMR-RegAquifer 0527**  
**Notes**

Qualifier Type	Definition
J	Indicates an estimated value.
U	The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
B	Analyte was also detected in the associated method blank.
JB	Estimated value; analyte was also detected in the associated method blank.
UJ	Estimated value below detection limit.
UJB	Estimated value below detection limit; found in associated blank.

  

Acronym/Note	Description
All data reported before 2009	were collected by others and the data were provided to ARCADIS by White Sands Missile Range.
--	The sample was not tested for this constituent and/or no data were available.
<b>1.7</b>	Yellow highlight indicates that the reported result exceeds the published screening level. If the result is preceded by "<", the constituent was not detected, but the reported sample quantitation limit exceeds the screening level. Italics indicate that the reported result exceeds the NMED screening value. If the result is preceded by "<", the constituent was not detected but the reported sample quantitation limit exceeds the screening standard.
[<0.005]	Brackets indicate that the result shown is from a duplicate field sample.
USEPA	United States Environmental Protection Agency.
EPA_MCL_GW	USEPA Maximum Contaminant Level, as defined in 40 Code of Federal Regulations, Part 141.
EPA_Tapwater_Adj_09	USEPA Residential Screening Level from <i>USEPA Regional Screening Levels</i> ( <a href="http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm">http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm</a> ). 2009.
NMED	New Mexico Environment Department.
NMED_GW	NMED Water Quality Control Commission (WQCC) Standard. 1995. Part of the New Mexico Administrative Code (NMAC). Title 20, Chapter 6, Part 2 (Environmental Protection Water Quality Groundand Surface Water Protection: 20.6.2.3103, Standards for Ground Water of 10,000 mg/L TDS Concentration or Less. (WQCC adopted standards for NMED Groundwater Quality Bureau (GWQB) except for MTBE and free product).
NMED_Tapwater_09	NMED Tapwater Screening Level. NMED. 2009. Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August.
GW	Groundwater.
• g/L	Microgram per liter.